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Griffith & Turner Co.

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1902  
BRANCH HOUSES  
116-118  
LIGHT STREET.  
366  
N. GAY ST.

FARM  
AND  
GARDEN  
Supplies.

GENERAL OFFICES 205, 207, 209 & 213 N. PACA ST.  
**BALTIMORE.**



# TO OUR FRIENDS



## NEARLY HALF A CENTURY.

**FORTY-TWO YEARS** have elapsed since we began business, and our increased trade year by year since then testifies to our popularity. Our dealings are no longer confined to nearby sections, but to nearly every State in the Union, and each year we are reaching out farther and farther until now we find ourselves in foreign countries. The reason for this goes without saying. **RESULTS SHOW and RESULTS are what all are looking for.**

In 1888 we issued our first Annual Descriptive Catalogue, and from a few thousands our mailing list has reached enormous proportions. Judging from the past, with increased facilities for doing business, who can foretell the possibilities of the future. Volume and diversity is what has brought our business to its present magnitude, and now we are in a position to satisfy every want of the farmer and gardener in their respective lines.

Trusting to continue to hold your esteem, we confidently present to you this our Fifteenth Issue.

RESPECTFULLY YOURS,

**JOHN M. GRIFFITH,**  
President.  
**M. S. GRIFFITH,**  
Vice-President.

# Griffith & Turner Company,

**JOHN L. TURNER,**  
Treasurer.  
**GEORGE W. HOBBS,**  
Secretary.

Branches: { 116 AND 118 LIGHT ST.  
366 N. GAY ST. ... ..

205 to 209 N. Paca St.,

BALTIMORE, MD., U. S. A.

Cable Address: "GRIFFTURN, BALTIMORE."

Prospective Customers who are not rated in the Commercial Agencies will save time in having their goods shipped by accompanying their Orders either with the cash or satisfactory references. Baltimore references preferred.

NOTICE.—We make a specialty of quoting on complete Outfits. SEND FOR PRICES.

## SEED TABLET.

The Quantity of Seed Usually Sown to an Acre.

Asparagus	5 lbs.
Barley, broadcast	2 to 3 bus.
Beans, dwarf, in drills	1 to 1½ bus.
Beans, pole, in hills	8 to 10 qts.
Beet, in drills	4 to 6 lbs.
Broom Corn, in hills	4 to 6 qts.
Buckwheat, broadcast	¾ bus.
Cabbage, in beds, to transplant	¼ lb.
Carrot, in drills	2 to 3 lbs.
Celery, to transplant	½ lb.
Corn, in hills	8 qts.
Corn, for soiling	2 to 3 bus.
Clover, Alsike	12 lbs.
Clover, red, alone	15 lbs.
Clover, white, alone	12 lbs.
Clover, white, with other seeds	4 lbs.
Clover, Luzerne, alone	15 lbs.
Clover, scarlet	15 lbs.
Cucumber, in hills	2 lbs.
Flax, broadcast	1 to 2 bus.
Grass, blue, alone	28 lbs.
Grass, Hungarian	1 bus.
Grass	3 to 4 bus.
Grass, orchard	28 lbs.
Grass, lawn	3 to 4 bus.
Grass, orchard	28 lbs.
Grass, red top	28 lbs.
Grass, R. I. Bent	3 bus.
Timothy	¼ bus.
Kale	4 to 6 lbs.
Millet	1 bus.
Melon, musk	1½ to 2 lbs.
Melon, water	2 to 3 lbs.
Mustard, broadcast	12 to 16 qts.
Mangoldwurzels	4 to 6 lbs.
Oats, broadcast	2 to 2½ bus.
Onions, in drills (to make large onions)	6 to 8 lbs.
Onion Seeds, for small sets	40 to 60 lbs.
Parsnip, in drills	4 to 6 lbs.
Peas, early, in drills	1 bus.
Peas, Marrowfat, in drills	1½ bus.
Peas, broadcast	2 to 3 bus.
Potato, cut tubers, in drills	8 bus.
Radish, in drills	6 to 8 lbs.
Radish, broadcast	10 lbs.
Rye, broadcast	1 bus.
Salsify, in drills	6 to 8 lbs.
Sorghum	10 to 12 lbs.
Spinach, in drills	12 to 15 lbs.
Squash, bush varieties, in hills	4 to 6 lbs.
Squash, running varieties, in hills	3 to 4 lbs.
Turnip, in drills	1 lb.
Turnip, broadcast	2 to 3 lbs.
Tomato, to transplant	¼ lb.
Vetches, broadcast	2 to 3 bus.
Wheat, broadcast	1½ to 2 bus.
Wheat, in drills	1 bus.
Clover	8 lbs.
Timothy	10 lbs.
Red Top	14 lbs.
Together for 1 acre.	

### QUALITY OF SEEDS.

We do not sell the cheapest seeds, but make **LOWEST PRICES** consistent with quality. They will please you.

We give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

**ORDERS** from unknown correspondents must be accompanied with the cash.

## SEEDS TRUE TO NAME.

The first consideration of the farmer or gardener in purchasing is whether he will **Secure Seeds True to Name.** Our exacting care in the selection of seed stocks, and having grown nothing but the **Best**, should be sufficient assurance that our **Seeds Are True to Name.**

## TESTED SEEDS.

The germination of Seeds is the next consideration; therefore the planter will appreciate the fact when we tell him that our **Seeds are all thoroughly tested**, and unless they **germinate** or sprout satisfactorily are discarded.

## NEW SEEDS TESTED.

Although Seeds may be new and fresh, yet they **Should be Tested Thoroughly**, as there is frequently a certain percentage **Blighted or Unripe**; consequently our system of always **Testing Seeds** before placing them on the market protects the customer from possible loss.

## CASH DISCOUNTS ON

Griffith & Turner Co.'s

## TESTED SEEDS.

12 5c. Packets for	50c.
25 5c. " " "	\$1.00.
6 10c. " " "	50c.
13 10c. " " "	\$1.00.
25 10c. " " "	\$2.00.

Mailed Free on Receipt of Amount.

ALSO

Orders for Seeds in packets, and Peas, Beans and Corn in pints and quarts, amounting to \$5.00, at our regular Catalogue prices, will be filled for \$4.00 cash, and orders amounting to \$3.00 on the same basis for \$2.50 cash, purchaser in both cases paying expressage.

## ALL PRICES

IN THIS CATALOGUE  
SUBJECT TO CHANGE WITHOUT  
NOTICE.

## QUANTITY OF SEEDS REQUIRED FOR A GIVEN NUMBER OF PLANTS, NUMBER OF HILLS, OR LENGTH OF DRILLS.

Asparagus	1 oz. to 50 ft. drill.
Beet	1 oz. to 50 ft. drill.
Celery	1 oz. to 100 ft. drill.
Carrot	1 oz. to 100 ft. drill.
Endive	1 oz. to 150 ft. drill.
Egg Plant	1 oz. to 300 ft. drill.
Lettuce	1 oz. to 150 ft. drill.
Okra	4 oz. to 100 ft. drill.
Onion	1 oz. to 100 ft. drill.
Onion Sets, small	1 qt. to 100 ft. drill.
Parsley	1 oz. to 150 ft. drill.
Parsnip	3 oz. to 100 ft. drill.
Radish	2 oz. to 100 ft. drill.
Salsify	1 oz. to 70 ft. drill.
Spinach	2 oz. to 100 ft. drill.
Turnip	1 oz. to 150 ft. drill.
Peas	1 qt. to 100 ft. drill.
Dwarf Beans	1 qt. to 100 ft. drill.
Leek	1 oz. to 100 ft. drill.
Pole Beans	1 qt. to 150 hills.
Corn	1 qt. to 200 hills.
Cucumber	1 oz. to 50 hills.
Watermelon	1 oz. to 30 hills.
Muskmelon	1 oz. to 60 hills.
Pumpkin	1 oz. to 40 hills.
Early Squash	1 oz. to 50 hills.
Marrow Squash	1 oz. to 16 hills.
Cabbage	1 oz. seed will produce 2000 plants.
Caulif'r.	1 oz. seed will produce 2000 plants.
Celery	1 oz. seed will produce 3000 plants.
Egg Plant	1 oz. seed will produce 1000 plants.
Lettuce	1 oz. seed will produce 3000 plants.
Pepper	1 oz. seed will produce 1000 plants.
Tomato	1 oz. seed will produce 1500 plants.

### FILLING ORDERS.

Every order is filled and forwarded as promptly as possible, but if not duly received, please notify us and we will make every effort to trace it without delay. Do not fail to sign your name and give full address.

**PACKING AND SHIPPING.**—We make no charge for boxes or packing of retail orders, and deliver all goods to any railroad or steamboat free of charge. We charge for cotton bags as follows: Peck and ½ bushel, 10 cents each; 1 bushel, 15 cents each; 2 bushels, 20 cents each.

**HOW TO REMIT.**—Remittances should be made by Draft, Express Money Order, P. O. Money Order or Registered Letter.

**WE PAY THE POSTAGE TO ANY P. O. IN THE U. S. ON ALL VEGETABLES AND FLOWER SEEDS.**

By the Packet, Ounce or Quarter Pound. On quantities over quarter pound the purchaser pays the postage at a rate of 8 cents per pound. On Beans, Peas and Corn, 8 cents per pint or 15 cents per quart should be added to Catalogue Price to pay postage.

**ON EVERY ORDER** be sure to sign your name and give your address plainly, as we frequently receive orders lacking either or both; also give full shipping instructions.

### PRICES TO MARKET GARDENERS.

Market gardeners and all other purchasers of Seeds in large quantities, should send for our special prices.

**OUTFIT-  
TERS OF  
EVERY-  
THING  
FOR THE**

# **GRIFFITH & TURNER COMPANY.** 205, 207, 209 and 213 NORTH PACA STREET. **BALTIMORE, MARYLAND, U. S. A.**

**FARM,  
GARDEN,  
DAIRY,  
POULTRY  
YARD.**

## **PRODUCE CROPS.**

Griffith & Turner Co.'s Seeds not only germinate, but the stocks are of best quality and make profitable crops.

**"GIVES PLEASURE TO RECOMMEND IT."**

Maryland, March 20, 1901.

I like your seed very much, and it gives me pleasure to recommend it.

Miss BETTIE HANSBROUGH.

## **POULTRY SUPPLIES.**

To make a profit and be successful with Poultry, it is essential to feed egg-producing foods. These are to be found in our complete assortment. (See Pages 58, 59, 60 and 61.)

**"THE FINEST I EVER SAW."**

The Tomato Seed I bought of you last spring was the finest Seed I ever saw. I got you several orders, and think I will get you more this season. I shall want as much as ten pounds of Tomato Seed later.

R. T. WHITE.

**"BEATS ALL I EVER SAW." "THEY ARE GRAND SEED."**  
Delaware.

The White Pearl Onion Seed I bought from you last year beat all Onions I ever saw grown from seed. My Cabbage has done well, and if I live to see next winter I will buy more seed from you. They are grand seed.

J. W. TEDGWICK.

## **FLOWERING PLANTS, ROSES AND BULBS.**

We are prepared to furnish Choice ROSES, CHRYSANTHEMUMS, CANNAS, GERANIUMS, Etc., Etc., at reasonable prices.

**"THANKFUL FOR FINE CROP."**

West Virginia, January 12, 1901.

I am thankful for the fine crop of Vegetables that I grew from your reliable Seeds, which causes me to send for more.

WILLIAM CONRAD.

**FINE SUCCESS.**

I had fine success with the Bulbs I got from you last season.

W. F. JOHNSTON.

**"FINEST IN THE COUNTRY."**

Maryland.

Last year you sent me four bushels of German Millet Seed, and I now have five acres of it. Everyone says it is the finest in the country. It is in a low meadow, and the dry weather does not have any effect upon it.

F. A. WELTY.

## **Griffith & Turner Co's Seeds are Tested Every Season from Selected Crops.**

Read all instructions on Second Cover Page. It will save trouble.

Send in your orders for complete FARM, GARDEN, DAIRY or POULTRY-YARD OUTFITS.

FILL OUT THE MONEY ORDER APPLICATION to be found inclosed, and take to your Postoffice when sending money by Postoffice Order.

**TIME FOR SOWING IN THE OPEN GROUND.**

THESE DIRECTIONS apply to the vicinity of Baltimore and Philadelphia. South of this they should be sown earlier, and North later.

BEANS.—From 1st of May till August.

BEETS.—Soon as ground can be worked in spring.

CABBAGE.—For early use, sow in hot bed in February and transplant in April to open ground; for late use, sow in May or June.

CAULIFLOWER.—Sow about the same time as Cabbage. For late crop sow in June, and they will head up in cool weather, and escape injury from the heat.

CARROT.—For early, sow from 1st of April to middle of May, and for late crop in June or July.

CELERY.—Sow as soon as ground is open in spring, and transplant in July.

CUCUMBER.—Sow about 1st of May for early, and for pickling in July.

LETTUCE.—Sow as soon as ground can be worked in spring, and at intervals as desired.

MELONS.—Sow in May and June.

ONION.—Sow early as possible in spring.

PARSNIP.—Soon as ground can be worked.

PEAS.—Sow in March and at intervals through the season, as desired.

PUMPKIN.—Plant in May or June.

RADISH.—Soon as ground is ready, and all through the season, at intervals.

SQUASH.—Soon as ground is warm.

TOMATO.—Sow in hot bed in March, and transplant about middle of May.

TURNIP.—For early use, in April; for main crop, July and August.

CABBAGE—1 oz. of Seed will produce.....2000 plants.

CAULIFLOWER—1 oz. of Seed will produce.....2000 "

CELERY—1 oz. of Seed will produce.....3000 "

EGG PLANT—1 oz. of Seed will produce.....1000 "

**"THE BEST AND ONLY TRUE NORTHEASTERN SEED HOUSE."**

Louisiana, February 7, 1901.

We have always favored your Cabbage Seed. The best and only true Northeastern Seed House.

HENRY CORBINS.

**THE BEST WE EVER BOUGHT.**

West Virginia.

Please find money for Seeds named. Hope our Seeds will be as good as last year. They were the best we ever bought.

Mrs. J. W. THOMPSON.

**"TRUE TO NAME."**

Ohio, March 11, 1901.

I bought Seeds of you last year, and they proved true to name and excellent vitality. Therefore, I place my order with you again this year.

P. E. WILDER.

**EVERY HILL TRUE TO NAME.**

Maryland.

The Rocky Ford Seed I got of you last year was excellent and every hill proved true to name.

J. A. RICHARDSON.

**"VERY MUCH PLEASED."**

Maryland.

We were very much pleased with the Garden Seed we got from you. What we have sown are doing splendidly.

Mrs. A. B. RENN.

**"FIND NONE TO COME UP TO THEM."**

Florida.

The "World's Fair" and the "Brinton's Best" Tomatoes are good, and should be called World's Beater Tomato. I have had a great many different Tomatoes, but find none that will come up to them.

GEORGE W. KIRBY.

**"MORE THAN PLEASED."**

Virginia, September 17, 1901.

I am more than pleased with your Seed.

N. E. MILLER.

## **BEFORE ORDERING, READ THIS CATALOGUE CAREFULLY.**

It will be found that many questions are answered.

**NUMBER OF TREES TO AN ACRE.**

The question is frequently asked how many trees should be planted to an acre. We give below a table of various distances:

3 feet each way.....	4,840	20 feet each way.....	108
4 feet each way.....	2,722	25 feet each way.....	69
5 feet each way.....	1,742	30 feet each way.....	48
6 feet each way.....	1,210	33 feet each way.....	40
8 feet each way.....	680	35 feet each way.....	35
10 feet each way.....	435	40 feet each way.....	27
12 feet each way.....	302	45 feet each way.....	21
15 feet each way.....	193	50 feet each way.....	17
18 feet each way.....	134		

**DISTANCE FOR PLANTING.**

Std. Apple.....	33 to 40 feet each way.
Std. Pear and large-growing Cherry....	20 feet each way.
Duke and Morello Cherry.....	20 feet each way.
Std. Plum, Apricot and Nectarine.....	15 to 20 feet each way.
Peach.....	20 feet each way.
Quince.....	12 feet each way.
Dwarf Pear.....	10 feet each way.
Current, Gooseberry, Raspberry and Blackberry.....	4 to 5 feet each way.
Grapes.....	6 to 10 feet each way.

**TO COUNTRY MERCHANTS.**

**WE PUT UP VEGETABLE SEEDS** in papers for the Country Trade, in quantities to suit purchasers. Our Seeds are select and tested, and give satisfaction wherever used.

Beans, Peas, Corn, etc., in bulk, at lowest wholesale rates. Write for special quotations in quantities.

Should you have placed your order for small papers for this year, we will be pleased to fill any shortage you may have, and solicit your patronage for another season.

**FOR CASH DISCOUNTS, SEE SECOND PAGE COVER.**

LETTUCE—1 oz. of Seed will produce.....3000 plants.

PEPPER—1 oz. of Seed will produce.....1000 "

TOMATO—1 oz. of Seed will produce.....1500 "

FOR OTHER INFORMATION, SEE SECOND PAGE COVER.

# Griffith & Turner Cos.

## SELECTED SEEDS

TESTED.

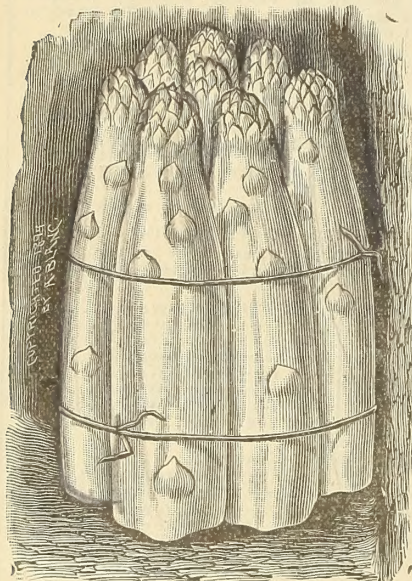


Griffith & Turner Co. gives no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any Seeds, Bulbs or Plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

## ASPARAGUS, German, Spargel, ETC.

This is one of the earliest spring vegetables, and should be in universal use. Many persons think it is difficult to grow, but we consider this a mistake, and believe it can be produced as cheaply and easily as any on the list. Sow the seed in the seed bed late in the fall or in the early spring, as soon as the ground can be worked, in drills one foot apart, covering the seed about one inch deep. When the plants are four to five inches high, great care should be taken to keep the bed free of weeds. One ounce of seed will sow forty feet of row. Thin to nine inches in the row.

### MAMMOTH WHITE ASPARAGUS.



MAMMOTH WHITE.

IN ADDITION to the marvelous advantage of its white color, the Columbian Mammoth White Asparagus is even more robust and vigorous in habit and throws larger shoots, and fully as many of them, as the Conover's Colossal. When we add to these the immense advantage of its needing no earthing up in order to furnish the white shoots so much sought after, we think it evident that it is superior to any sort now in cultivation, and that no Asparagus grower can afford to plant seed of any other kind. Market gardeners, growers for canners and amateurs should give this great acquisition a thorough trial. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 60c.

**BARR'S MAMMOTH.** This splendid variety, highly recommended for its many good qualities, is very productive and about 10 days earlier than Conover's Colossal. The stalks are very large and retain their thickness completely up to the top of the shoots; very tender and succulent; of delicious flavor; grow very quickly; light in color. Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 50c. 5 Lbs., \$2.

## ARTICHOKES.

**LARGE GREEN GLOBE.**—This is a very nice vegetable to eat. Some prefer it cooked like Asparagus; that is, take the flower head before it begins to open and cook much the same way as Asparagus. Pkt., 10c. Oz., 30c.

**JERUSALEM.**—The tubers roasted, or boiled, served with butter, salt and pepper, makes a dish some think superior to Potatoes. They are most excellent feed for cows and will cause an increase in quantity and quality of milk. Pk., \$1. Bus., \$2.50.

### PALMETTO ASPARAGUS.

THIS Asparagus, said to have originated in South Carolina, is now quite extensively grown by Southern gardeners for New York and Philadelphia markets, where it sells at very high prices, owing to its mammoth size and regularity. An average bunch of 15 shoots will measure 13 to 14 inches in circumference. For several seasons this Asparagus has reached Northern markets 10 days ahead of all other varieties, and sold at fabulous prices. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 40c. 5 Lbs., \$1.75.

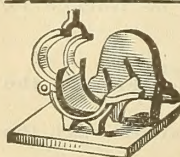
**CONOVER'S COLOSSAL.**—The old and well-known variety. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 40c. 5 Lbs., \$1.50.

### ASPARAGUS ROOTS.

A saving of one to two years is effected by planting roots. A bed 12x40 feet, requiring about 100 roots, should give a sufficient supply for an ordinary family. 7,260 roots will plant an acre. Select good loamy soil, plough deep, put in good quantity of manure, and 100 lbs. kainit to 1,000 square feet of bed. Incorporate thoroughly, make a trench 8 inches deep, set plants 9 inches apart. In field culture rows are placed 4 feet apart.

**Barr's Mammoth.**—Per 100, \$1.00. Per 1000, \$4.50.  
**Palmetto.**—Per 100, 75c. Per 1000, \$4.00.  
**Colossal.**—Per 100, 75c. Per 1000, \$4.00.  
**Mammoth White.**—Per 100, \$1.00. Per 1000, \$5.00.  
 Extra size roots, 50c. per 1000 additional to above prices.

**BEST ASPARAGUS BUNCHER.**—\$1.50.  
**ASPARAGUS KNIVES.**—25c. By mail, 35c.



Asparagus Buncher.

## DWARF BEANS.

1 quart will plant 100 feet of drill. Add 8c. per pint, or 15c. per quart, on all Beans if to be sent by mail.

Select light, warm soil, and plant when danger from frost is past in the spring, in drills 2 to 2 1/2 feet apart, dropping the Beans about 2 inches apart in the drills, and cover 2 inches deep. A succession of sowings can be made from the first week in May until August.

**WHITE MARROWFAT.**—Extensively grown for sale as a dry bean for winter use. Qt., 15c. Peck, 90c. Bus., \$3.25.

**WHITE NAVY.**—A well-known variety for field culture, very prolific. Qt., 15c. Peck, 90c. Bus., \$3.00.

# GRIFFITH & TURNER & CO

## BEANS. DWARF, BUSH OR SNAP. . . . DWARF GREEN PODDED.

**EARLIEST MARKET.**—This is well named, being the earliest Bean in existence, and therefore very profitable to the market gardener, and desirable to the private gardener as well. The pods are long, broad, green and very showy, reaching maturity in 30 days from germination, and the habit of vine very productive.

**TRIUMPH OF THE FRAME.**—This variety is particularly adapted for forcing. Very dwarf, prolific and tender.

**EXTRA EARLY REFUGEE.**—It is similar in every respect to the ordinary Refugee, but is nearly two weeks earlier. It is enormously prolific, and from its earliness is almost certain to produce a crop, no matter how unfavorable the season. Is rapidly becoming a favorite sort, as it matures equally early with the Red Valentine, and has that beautiful silvery green color in the pods that is so much desired.

**EARLY REFUGEE, OR BROWN VALENTINE.**—Resembles the Red Valentine, but 2 weeks later; very productive.

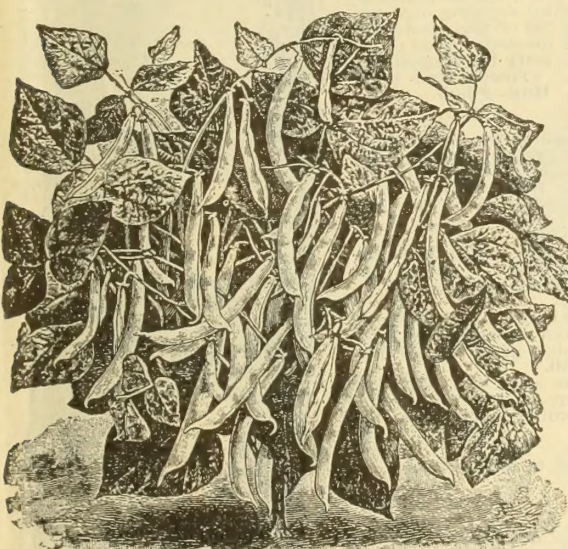
**EARLY MOHAWK.**—Qt., 20c. Peck, \$1.00. Bus., \$3.00.

**DWARF HORTICULTURAL.**—A very green-podded sort, used as a shell Bean, and for this purpose is one of the finest in general use; long a favorite with those who use a shell Bean in a green state.

**BEST OF ALL.**—One of the most valuable green-podded sorts for family or market use. The pods are 6 inches long, very fleshy, succulent, stringless, and of rich flavor; are produced early and abundantly.

**EMPEROR WILLIAM.**—An extra early white variety of good quality.

**LONG YELLOW SIX WEEKS.**—Very early, hardy Bean.



**NEW STRINGLESS GREEN POD.**—One of the earliest varieties, pods round and full, absolutely stringless and of beautiful fleshy appearance, quality excellent. The only green-pod Bean of which the pods never develop any strings.

**NEW GOLDEN-EYED WAX.**—This fine new bush Bean is very early; the vine grows vigorously to about 1½ feet high, holding pods off the ground. The pods are handsome, long, straight and flat, remarkably free from rust, and keep well.

**DWARF PROLIFIC BLACK WAX.**— Yellow pod; a very superior snap short, ripening among the first earlies, and having the best characteristics. Very tender.

**EARLIEST RED VALENTINE.**

**TEN DAYS** earlier than the ordinary Red Valentine Bean, and therefore the best for truckers and market gardeners. It is without doubt the very best and earliest green Snap Short Bean. The habit of the vine is dwarfed and very uniform. Color of pods light green, round, curved, succulent, prolific, continuing long in edible condition.



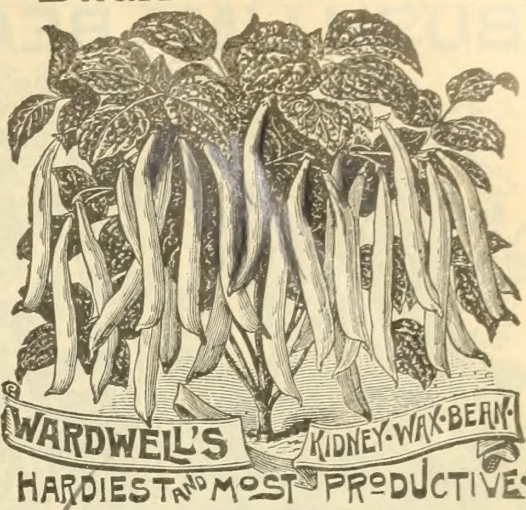
**HOPKINS' EXTRA EARLY VALENTINE.**

A choice stock we have had for several years.

**GIANT STRINGLESS GREEN POD.**

Resembles very much the old Valentine. The plants are of strong growth, very productive; pods 5 inches long, light green, slightly curved, very meaty, brittle and stringless at all stages and of mild flavor.

## Dwarf Wax Podded.



**WARDWELL'S KIDNEY WAX BEAN.**

**HARDEST AND MOST PRODUCTIVE.**

**WARDWELL'S KIDNEY WAX BEAN.**

**THIS** is one of the best of the wax sorts. The vines are remarkably vigorous, hardy and productive. The pods are very large, smooth, showy, tender, perfectly stringless, and of unusually fine quality.



NEW PENCIL POD WAX BEAN.

**NEW PENCIL-POD WAX BEAN.**

**VERY EARLY** and productive. Pods long, straight and handsome; color light golden yellow; strong and vigorous bush. One of the best varieties.

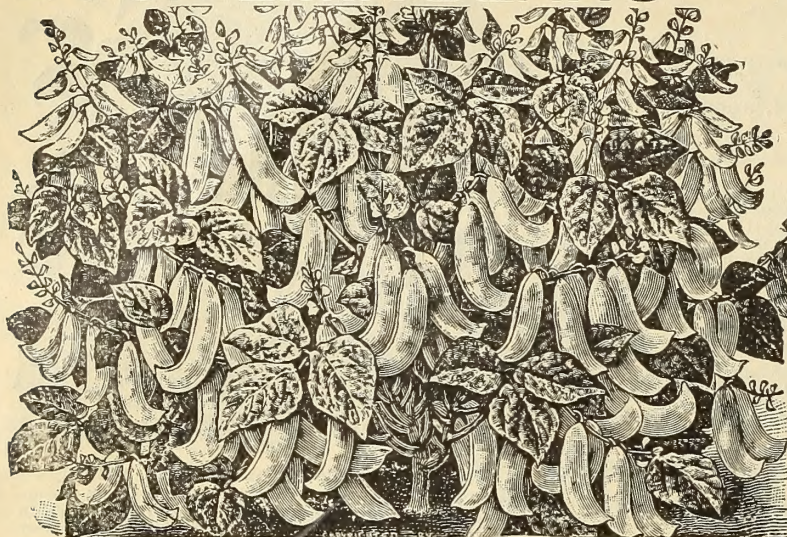
**CURRIE'S RUST-PROOF BLACK WAX.**

For earliness and freedom from rust it is at the head of the Wax Bean family. Habit, upright and robust, holding the pods well from the ground. Pods long, straight, flat and very meaty, of a beautiful golden color; quality not surpassed, and for productiveness it is unequalled.

Qt., 30c. Peck, \$1.00. Bus., \$3.75.

## BUSH LIMA BEANS

THE BUSH LIMA BEANS ARE RAPIDLY GAINING FRIENDS AND HAVE EVIDENTLY COME TO STAY.



**BURPEE'S BUSH LIMA.**

THE bushes grow 18 to 20 inches high, stout growth and always erect, yet branching so vigorously that each plant develops into a magnificent circular bush, from 2 to 3 feet in diameter. The bush character is thoroughly established, not one plant in a thousand showing any disposition "to run." It is an immense yielder, each bush bearing from 50 to 200 of the handsome, large pods, well filled with very large Beans, which are identical in size and luscious flavor to the well-known large Pole Limas. By the introduction of this most valuable novelty the largest and best Lima Beans can now be raised in quantity at little cost, without the expense and labor attached to the use of poles.

Pt., 15c. Qt., 30c. Peck, \$1.75. Bus., \$6.00.

## POLE LIMA BEANS.

**FORD'S MAMMOTH POLE LIMA BEAN.**—The pods grow to an average length of 8 inches, are produced in great clusters, with from 5 to 7 Beans per pod, of most excellent quality, for using either green or dry. The vines grow vigorously, setting the Beans early at the bottom of the pole, and continue in bearing up to frost.

Qt., 30c. Peck, \$1.75. Bus., \$6.50.

**EXTRA EARLY JERSEY LIMA.**—This variety is 2 weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow.

Qt., 30c. Peck, \$1.75. Bus., \$6.50.

**EXTRA LARGE LIMA.**—This is a splendid sort, and takes a leading place with growers, because of its many excellent qualities. As a shell Bean, surpasses all in quality, and is the favorite with most people. The Beans are very large, tender and of delicious flavor.

Qt., 30c. Peck, \$1.75. Bus., \$6.50.

**DREER'S IMPROVED, OR CHALLENGE POLE LIMA.**—This popular Bean is considered by many growers superior to all others in quality and productiveness. When green it is as large as the large Lima, thicker, sweeter and more tender and nutritious, remaining green in the pod for a long time after maturing.

Qt., 30c. Peck, \$1.75. Bus., \$6.50.

**KING OF THE GARDEN LIMA.**—This Bean has met with enormous sales the past few seasons. They are vigorous growers, setting their Beans early at bottom of pole, producing continuously to the end of the season. They are more prolific than the ordinary Lima, bearing pods 5 to 7 inches long in clusters of 4 and 5, with 5 to 6 Beans in a pod.

Pt., 15c. Qt., 30c. Peck, \$1.75. Bus., \$6.50.

**LARGE WHITE LIMA.**—One of the best of the pole Beans, either green or dry.

Qt., 25c. Peck, \$1.50. Bus., \$5.50.

## Pole Beans.

SET THE POLES 3 or 4 feet apart, and plant 6 to 8 Beans, with the eyes downward, around each pole, thinning to 4 healthy plants when they are up. They require the same soil and treatment as the Dwarf varieties, with the exception that they crave stronger soil and do best in a sheltered location.

**MARYLAND WHITE.**—This new White Pole Bean is destined to take its place as one of the best Beans ever grown for general purposes. Its thick, meaty, green pods are very tender, rich in flavor, and produced in great abundance. It is equally valuable as a snap or shell Bean. It has been grown in Maryland to a very limited extent for a few years, and those who have grown it once want it again.

Pt., 15c. Qt., 30c. Peck, \$1.75. Bus., \$6.00.

**LAZY WIFE.**—Large, pale green pods, very thick-meated, stringless, rich, tender and buttery; ripens early; clings well to the pole; enormously productive; splendid either as a snap or shell Bean; retains its exquisite flavor until nearly ripe.

Pt., 15c. Qt., 30c. Peck, \$1.75. Bus., \$6.50.

**KENTUCKY WONDER.**—A very prolific sort, bearing its pods in large clusters; pods green, often reaching 9 or 10 inches in length, nearly round when young, and very crisp.

Qt., 25c. Peck, \$1.50. Bus., \$5.75.

**SPECKLED HORTICULTURAL OR WREN'S EGG.**—An old favorite for both snap-shorts and dry Beans.

Qt., 25c. Peck, \$1.50. Bus., \$5.50.

**WHITE CHERRY.**—Great favorite; used with or without pods.

Pt., 15c. Qt., 25c. Peck, \$1.75.

**CREASE-BACK, OR FAT HORSE.**—A well-known and highly esteemed Southern variety. Very productive; forms very full, round pods; very fleshy; entirely stringless and distinctly creased along the back; hence its name. This variety is especially valuable for its extreme earliness and its habit of perfecting all of its pods at the same time.

Qt., 30c. Peck, \$1.50. Bus., \$6.00.

**SOUTHERN PROLIFIC.**—A splendid, vigorous and productive variety. Pods in clusters, succulent and delicious; matures quite early and continues bearing until frost.

Qt., 20c. Peck, \$1.50. Bus., \$5.50.

**SPECKLED CUT-SHORT, OR CORN-HILL.**—An old variety, very popular for planting among Corn, and will give a good crop, without the use of poles; vines medium, with dark-colored, smooth leaves; pods short, cylindrical and tender.

Pt., 15c. Qt., 30c. Peck, \$1.75. Bus., \$6.00.

**DUTCH CASE KNIFE.**—Vines moderately vigorous, climbing well, but not twining so tightly as some, and so may be used for a corn-hill Bean. Leaves large, crumpled; blossoms white; pods very long, flat, irregular, green, but becoming cream white; Beans broad, kidney-shaped, flat, clear white, and of excellent quality, green or dry.

Pt., 15c. Qt., 40c. Peck, \$1.75. Bus., \$6.

When Beans are to be sent by mail, add for postage 5c. per pint, 15c. per quart.

### DREER'S BUSH LIMA.

A dwarf variety of the Dreer's Improved Lima which has been fixed in its character of a bush Bean; it is very prolific, single plants often producing from 150 to 200 pods. Equal in quality and tenderness to Dreer's Pole Lima.

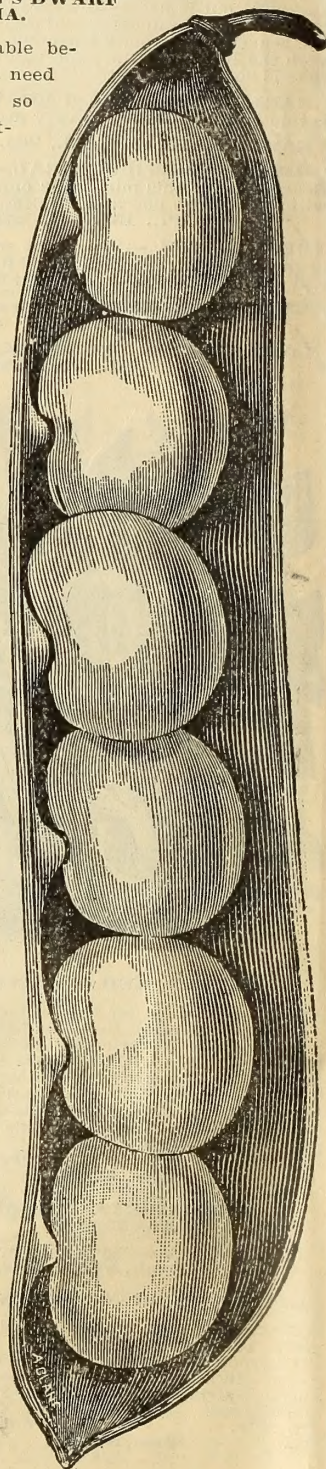
Pt., 15c. Qt., 30c. Peck, \$2.00.

### HENDERSON'S DWARF LIMA.

These are valuable because they do not need poles, and being so dwarf can be planted close together. They are very early and prolific, continuing to bear until frost.

Qt., 25c.

Peck, \$1.50.



# GRIFFITH & TURNER CO.

## BEETS.

One ounce of Seed will sow one hundred feet of drill.

**SELECT** a deep, rich, sandy loam, and manure with well decomposed compost or a good chemical fertilizer. Sow in drills, 14 to 16 inches apart, and cover 1 inch deep. When the young plants appear, thin to 4 or 5 inches apart. For early use, sow as soon as the ground can be worked in the spring; for autumn use, about the middle of May, and for winter use, during June or July, according to the variety—the long varieties requiring more time to mature than the round, early kinds.

### G. & T. Co.'s Early Blood Turnip Beet



**THIS** is our Special Stock of Early Blood Turnip Beet, which we have been growing for a number of years, and which the market gardeners of Baltimore and other places prefer. It is of dark red color, handsome shape and early. Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

**SWISS CHARD.**—Oz., 10c. Lb., 25c.  
**BASSANO, OR EXTRA EARLY TURNIP.**—Flesh white and rose; very sweet and tender. Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

**EXTRA EARLY EGYPTIAN.**—This is a flat Beet, very early and deep red color. Owing to the small top, it can be planted very close. Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 35c.

**LARGE LONG BLOOD.**—A large and desirable late variety of deep red color. Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

**BALTIMORE EARLY MARKET.**  
Its qualities are extra early, dark red color, fineness of shape and small top. One of the most attractive varieties grown, and is specially desirable for hot-beds on account of its small top and close-growing habit.



**BALTIMORE EARLY.**  
**GOLDEN TANKARD MANGOLD.**—The best type of Mangold—small top, smooth, rich skin, broad shoulders, very solid-fleshed, golden-stemmed, heavy producer. It has already taken the lead of other varieties in England, and is relished by milch cows and sheep. 1/4 Lb., 15c. Lb., 30c. 5 Lbs., \$1.00.

### DETROIT DARK RED TURNIP BEET.

**THIS** is one of the finest formed and handsomest colored Beets on the market. It is unsurpassed in the uniformity and beauty of the crop. It is exceedingly early and produces more marketable specimens on the same acreage than any other variety.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

### EDMOND'S RED TURNIP.

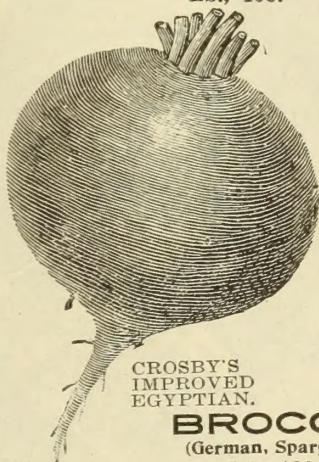
The most uniform of all Turnip Beets. It is of handsome round shape, good marketable size, and deep blood color. It has a small top, and may be planted close.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

### CROSBY'S IMPROVED EGYPTIAN BEET.

A very superior strain of the well-known Egyptian, carefully selected, deep blood color, quick, rapid growth. The shape is very desirable, as shown in the accompanying photograph, being not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. It may be sown outside as late as July.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.



CROSBY'S IMPROVED EGYPTIAN.

### BROCCOLI.

(German, Spargel Kohl.)

1 oz. of Seed to 100 Yards of Row.

The Broccoli are closely allied to the Cauliflower family. They require similar cultivation and treatment to Cauliflower.

**EARLY PURPLE CAPE.**—Large, compact. Pkt., 10c. Oz., 40c.  
**LARGE EARLY WHITE.**—Head white, like Cauliflower; the best. Pkt., 10c. Oz., 40c.

### BORECOLE.

This is often called Broccoli by market gardeners, but belongs to the Kale family. Very spreading in habit, and beautifully curled. Seed very scarce.

Pkts., 5c. and 10c. Oz., 25c. 1/4 Lb., 65c. Lb., \$2.00.

### BEETS FOR STOCK.

SOW 4 POUNDS TO THE ACRE.

**STOCK BEETS** grow larger than other Beets, and hence require more room. They should be sown from April to June, in drills 2 1/2 feet apart, and the plants thinned to 12 to 15 inches in the row. The attention of farmers to the growing of Beets for stock feeding has rapidly increased, but it should be grown more generally and will show the results in the health and condition of the stock. It supplies good, rich food for cattle during the winter.

**CHAMPION YELLOW INTERMEDIATE, OR GATE-POST MANGOLD.**—One of the very finest Mangolds ever introduced, giving unbounded satisfaction wherever grown. The crop is very uniform and the roots heavy, handsome and clean, with single tap root. In flavor they are wonderfully rich and nutritious. With good cultivation will crop at the rate of 200 bushels per acre. 1/4 Lb., 15c. Lb., 40c. 4 Lbs., \$1.00.

**WHITE SUGAR BEET.**—A large-growing sort, and used for feeding stock. 1/4 Lb., 15c. Lb., 30c. 4 Lbs., \$1.00.

**LONG RED MANGOLD WURZEL.**—The well-known, large, long variety; grows well out of ground. Color light red. Very productive. 1/4 Lb., 15c. Lb., 30c. 5 Lbs., \$1.00.

### ECLIPSE BEET.



This extra early Beet is remarkable for its fine quality and rapid growth; is of deep red color and handsome shape. As an early market sort it is unrivaled. It is, to a large extent, superseding the Egyptian, being earlier in development, more attractive in appearance, and of superior quality for the table. Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 35c. 5 Lbs., \$1.50.

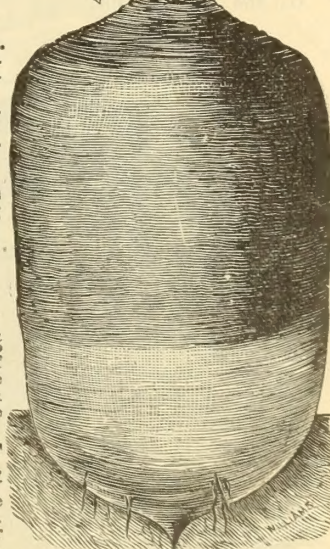
### Brussels Sprouts.

(German, Gruener Kopfkohl.)

1 Oz. of Seed to 100 Yards of Row.

**A** CLASS of plants allied to the Cabbage family, producing a great number of small heads for sprouts on the main stem of the plant, which are used and prepared as greens.

It is a delicious vegetable, especially after being exposed to the frost. Plant in rich soil, in hills 2 feet apart each way. Pkt., 10c. Oz., 20c. 1/4 Lb., 60c.



GOLDEN TANKARD MANGOLD.

## CABBAGE.

One Ounce of Seed to 100 yards of row.

GERMAN, KOPFKOHL.

### Early Cabbages.

**C**ABBAGE will thrive on any good corn land, though the stronger the soil the better they will develop. New land is preferable. Plow deep and manure very liberally, as cabbage is a strong feeder and will repay for the care bestowed upon it. The early sorts bear planting from eighteen inches to two feet apart in the rows, with the rows from two to two and a half feet apart. The larger varieties to be from two to four feet apart in the rows, with the rows from two and a half to four feet apart, the distance varying with the size. It does not pay to buy cheap cabbage seed. Ours are American grown, and from the best stock in the country. For early use, sow in a hot-bed in February or March, and transplant to a cold-frame as soon as large enough. In April the plants may be set out in the rows. For late crop, sow in nursery bed in May or June, and transplant as soon as the plants are five or six inches high. The ground should be thoroughly cultivated every week until the plants meet in the rows.

**KING OF EARLIES.**—An excellent early sort. Heads formed like a Wakefield, but ten days earlier. Habit vigorous, short stem, and proof against sun.

Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. \$1.75.

**EARLY WINNINGSTADT.**—Head large, cone-shaped and solid. An old and popular sort.

Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.25.



SELECT EARLY JERSEY WAKEFIELD.

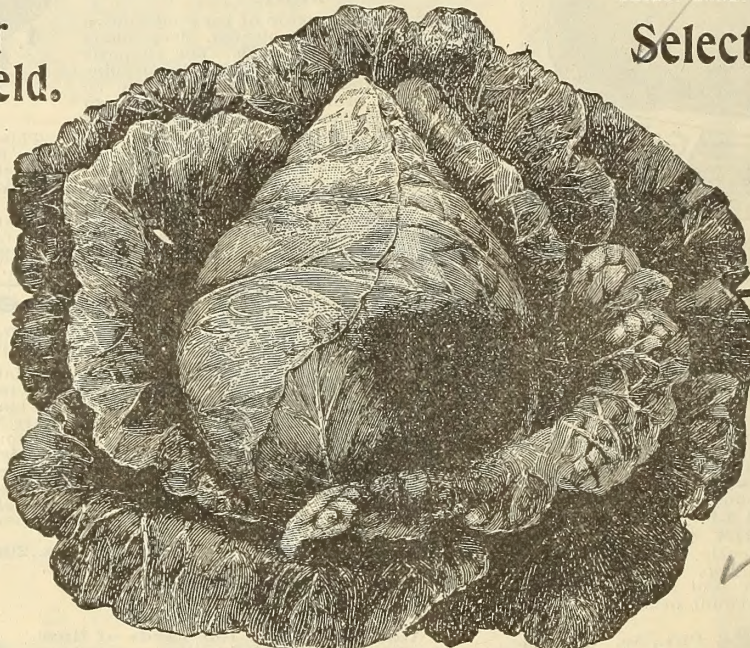
### Charleston, or Large Wakefield.

This is now a very popular market cabbage, fully meeting the demand for a cabbage having all the characteristics of the Jersey Wakefield, but larger. It is five to six days later than Early Jersey Wakefield. The heads are fully one-half larger, and quite solid. It is very compact in growth, and can be easily planted in rows two feet apart and twenty inches in rows. One great advantage is, it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury, until a favorable opportunity for cutting. No market or private gardener desiring a cabbage of this kind should fail to plant this valuable sort.

Pkts. 5c. and 10c.

Oz. 25c. 1-4 lb. 50c.

Lb. \$1.75.



CHARLESTON, OR LARGE WAKEFIELD.

### Select Early Jersey Wakefield.

The very best early cabbage, and grown more extensively by market gardeners than any other variety. It is early, the heads are pyramidal in shape, very large and solid, and, having but few outside leaves, the plants can be set close together. We secured our seed from a grower of the best Wakefield cabbage in the country, and it is giving good results wherever it is used, so much so that our sales of this sort are rapidly increasing each year. The demand for this sort has brought on the market inferior stock at a low price, but when select stock, such as we offer, is used, it cannot fail to give satisfaction.

Pkts. 5c. and 10c.

Oz. 20c. 1-4 lb. 50c.

Lb. \$1.60.

**LARGE EARLY YORK.**

One of the earliest. Forms a medium size, pointed head

Pkts. 5c. and 10c.

Oz. 15c. 1-4 lb. 40c.

Lb. \$1.25.



ALL HEAD.

### Early Dwarf Flat Dutch

An old standard variety which stands the sun and produces fine large heads, coming in soon after the Wakefield.

Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.50.

### Early Spring.

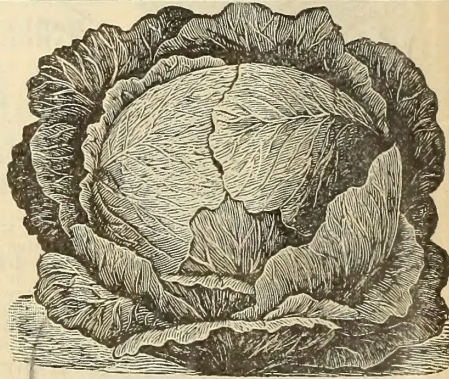
An extra early round-headed cabbage of the early summer type.

Pkt. 10c. Oz. 40c. 1-4 lb. \$1.00. Lb. \$3.50.

### ALL-HEAD, Early Cabbage.

This is the largest of all Cabbages, fully one-third larger than the Early Summer, therefore more profitable to the market gardener. It is the nearest approach to a thoroughbred Cabbage of any variety, both in size and uniform development. As the All-Head comes in quicker than any of the other Flat Cabbages, it is consequently more tender. It is also valuable for a late or winter cabbage.

Pkts. 5c. and 10c. Oz. 25c. 1-4 lb. 75c. Lb. \$2.25.



**LARGE EARLY SUMMER.**—One of the earliest of the summer varieties. Heads large and flat; short stemmed, few outside leaves, uniform in character, and about ten days later than the Wakefield. It is very popular with the truckers.

Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.50.

ALL KINDS OF MACHINERY REPAIRED.

# GRIFFITH & TURNER CO.

## CABBAGE.—CONTINUED.



NEW EARLY CABBAGE.

**NEW EARLY.**—This is one of the finest large early cabbages grown. Forms solid, compact heads, and leaves grow close to the head, thus allowing many more cabbages to be grown on the acre than any other sort. One of its most striking features is its earliness. It heads so rapidly that the worms can't hurt it. **Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.75.**

**THE SUCCESSION CABBAGE** is one of the most valuable contributions to horticulture. It would be classed as a second early variety, coming in a few days later than Early Summer, but it is immeasurably superior to that variety; it is nearly double the size, and is absolutely true to its type under all conditions. In addition to this, it has no tendency whatever to run to seed. It is one of the finest sorts in existence today; whether for medium early, main crop or late use, it has no superior. It is so finely bred and so true to type that in a field of twenty acres every head appears alike. We can recommend it either for the market gardener, trucker or private planter, as it is a perfect Cabbage in every respect, not only being of the largest size, but of handsome color and of the finest quality. It is probably the safest variety for an amateur to plant as it does well at all seasons, and one is almost sure of getting a crop, no matter when it is planted. **Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.75.**

**LOUISVILLE DRUMHEAD.**—This is the most popular intermediate or second early with market gardeners around Louisville and the Southwest. It comes off medium early, withstands heat to a remarkable extent, heads large, solid and uniform in size and color. We can recommend this sort very highly for the Southern and Middle States. **Pkt. 10c. Oz. 15c. 1/4 lb. 40c. Lb. \$1.25.**

**SUREHEAD.**—This popular cabbage is rightfully named Surehead, as it never fails to make a fine, large, solid head, with few outer leaves. It is a strong, vigorous grower, and very uniform in size and color. Always brings the highest price in our markets. **Pkts. 5c. and 10c. Oz. 15c. 1/4 lb. 40c. Lb. \$1.50.**

**ALL SEASONS.**—This forms a fine, large head, of superior quality, nearly as early as the Early Summer. Suitable for planting at any season. **Pkts. 5c. and 10c. Oz. 15c. 1/4 lb. 40c. Lb. \$1.50.**



DANISH BALL HEAD CABBAGE.

**DANISH BALL HEAD.**—This most excellent variety of Cabbage, coming from Denmark, has grown very rapidly into favor with both market and private gardeners. It is a large, round, solid heading, medium early variety; a very sure header, having few loose leaves, consequently can be planted very close together. Although a medium early, can also be grown for a fall and winter crop, being one of the best keepers. Very popular in the Philadelphia, New York and Boston markets. **Pkt. 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.75.**

**THE LUPTON.**—This will mature earlier than Flat Dutch, keeps well, and is a good header. **Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.50.**

I am more than pleased with cabbage seed I bought of you—\$2.00 worth; sold \$20.00 worth of plants, and set out about 10,000. I believe my sales would have been double had it not been for the drought.

T. E. MILLER,  
Hudgins, Va

Sept. 17, 1900.



SUCCESSION CABBAGE.



BOSS FLAT DUTCH—LATE CABBAGE.



PREMIUM LARGE FLAT DUTCH—LATE CABBAGE.

## LATE OR AUTUMN CABBAGE.

**PREMIUM LARGE LATE FLAT DUTCH CABBAGE.**—Large and excellent for winter, very extensively grown. The head is broad, thick and flat, well covered in by leaves lapping across the center, outside leaves feathered to the base of the leaf stem. **Pkts. 5c. and 10c. Oz. 15c. 1/4 lb. 40c. Lb. \$1.25.**

**BOSS FLAT DUTCH CABBAGE.**—In again calling the attention of market gardeners and truckers to this magnificent Cabbage, we

would say that it has fully met the claims we made for it upon its introduction. When we ask our customers how they like it, their answer is "splendid" or "elegant," everything heads; "you can scarcely find any that don't head." The heads are large, hard, thick and flat, the leaves lapping across the center, making it the most desirable winter variety in cultivation. Try it and be convinced of its superiority. **Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Pound \$1.50.**

SPECIAL PRICES TO GARDENERS AND FARMERS, IN LARGE QUANTITIES.

## LATE CABBAGES. Continued.

### Perfection Drumhead Savoy.—

This is without any exception the finest stock of Savoy cabbage to be found anywhere. The heads are large and solid, the leaves beautifully curled, and in tenderness and flavor it is almost equal to cauliflower, while its keeping quality is first-class. To say that our market gardeners are pleased with it, is putting it mild; they are enthusiastic over it, as they find it so much superior to the old-time Savoy. It is specially adapted to private use, as when grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

Pkts. 5c. and 10c. Oz. 15c. 1/4 lb. 40c. Lb. \$1.50.

**LARGE LATE AMERICAN DRUMHEAD.**—One of the largest, most solid and best keeping late varieties. This variety seldom fails to head, and is of good quality.

Pkts. 5c. and 10c. Oz. 15c. 1/4 lb. 40c. Lb. \$1.25.

**RED DUTCH.**—The head is large, round, solid and a deep red color, the best of the red cabbages.

Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.50.

**WORLD-BEATER, or AUTUMN KING.**—This is a very superior late cabbage. The large, broad heads are very thick through, slightly rounded at the top, fine grained and tender, has a short stalk, green color, and one of the best keepers we know, and is a rapid grower.

Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.75.

**Georgia Collards.**—Called the Cabbage Collard on account of its close bunching growth. The plant produces centre leaves generally perfectly white, though sometimes dashed with pink. It is a very delicate vegetable and of the first quality.

Pkt. 10c. 1/4 lb. 20c. Lb. 70c.



## G. & T. Co.'s Snowball Cauliflower.

One Ounce of seed will produce 2,000 Plants.

**M**ANY amateurs make the mistake of sowing the seed too early for late crop. It should not be sown before May, as when sown earlier they begin to head before the hot weather is over, and are a failure. Cauliflower can only be grown on rich, well-tilled and well-watered soil. The most delicious of all the cabbage family, and requiring the same culture and treatment, but being more delicate. The good culture and richness of the soil recommended for cabbage is absolutely necessary for the cauliflower. For early crop, sow in hot-bed or cold-frame in February or March. For late crop sow and treat like late cabbage.

### Our Gilt Edge Snowball

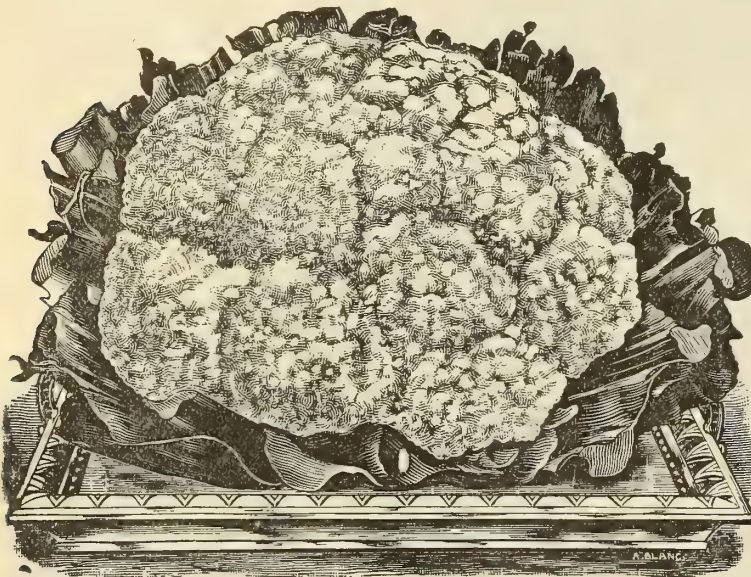
**Cauliflower.**—Is without exception one of the finest sorts now in cultivation. It is very early. Nearly every plant will, under proper cultivation, form a perfect snow white head, and its close growing, compact habit enables the grower to plant one-third more on the same space of ground than other varieties. In fact, it is, and deserves to be, the standard with the market gardener and amateur.

Pkts. 25c. and 50c. 1/4 oz. 75c. Oz. \$2.00.

**SELECT EARLY DWARF ERFURT.**—Long the standard of highest excellence, and still holding its own with a great many people.

Pkts. 25c. and 50c. 1/4 oz. 50c. Oz. \$1.75.

**EARLY PARIS.**—An excellent sort for early or late use. Pkt. 10c. Oz. 50c.



## Cress, or Pepper Grass.

Used as a small salad. Sow very thickly in shallow drills, on a smooth surface, at short intervals throughout the season.

**CURLED.**—Pkt. 5c. Oz. 10c. 1/4 lb. 20c. Lb. 60c.

**WATER CRESS.**—Water Cress may be grown along the margin of running streams, ditches or ponds, and has a ready sale in the hotels and markets.

Pkt. 10c. Oz. 30c.



## Corn Salad.

Three ounces of seed to 100 feet of row.

A favorite salad plant, and very hardy. Sow in August or September, and protect with leaves during the winter; it can be gathered in the spring very early. Sown in April, it is soon ready for use. The leaves are sometimes boiled and served as spinach.

Pkt. 5c. 1/4 lb. 15c. Lb. 40c.

ALL KINDS OF MACHINERY REPAIRED.

3

## CELERY.

CONTINUED.

German, *Celerie*.

1 Oz. Will Produce 2000 Plants.

**P**LANT SEED in hot-bed or very early in open ground. Transplant 4 inches apart when 3 inches high, in rich soil, finely pulverized; water and protect until well rooted. In June or July transplant into rows 3 to 4 feet apart, either on surface or well-manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from 6 to 8 inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the top of the centre shoots.

### WINTER QUEEN CELERY.

It is, without doubt, the most valuable variety of Celery for winter and spring use ever introduced. It is also much stouter, thicker and heavier, with double the amount of heart of any known Celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white. Ribs perfectly solid, crisp and of delicious nutty flavor.

Pkt., 10c. Oz., 15c. 1/4 Lb., 50c. Lb., \$1.50.

### PINK PLUME.

This is identical with the White Plume, but with the added merit of the stalks being exquisitely suffused with pink, and possessing the crispness, rich, nutty flavor and long-keeping qualities for which red Celeries are noted.

Pkt., 10c.  
Oz., 25c.  
1/4 Lb., 75c.

### PERLE LE GRAND.

The new Perle le Grand has a beautiful, full golden heart, and rich, nutty flavor. On the market stall it is extremely showy and salable, a single plant making a good-sized bunch and surpassing all other sorts in weight. It is not only a good early Celery, being among the first fit to use, but as a winter keeper, remaining, when properly trenched, in perfect condition away into the spring.

Pkt., 10c. Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.



GOLDEN HEART, OR GOLDEN DWARF CELERY.

**T**HIS old standard variety still holds a high place in the estimation of market gardeners, and is largely used, always giving satisfaction. A showy sort, solid, of fine flavor and a good keeper.

Pkts., 5c. and 10c.

Oz., 15c. 1/4 Lb., 40c. Lb., \$1.25.



### WHITE PLUME.

**A**N EARLY, handsome, self-bleaching variety, growing in popularity every year. Like the Golden Self-Blanching, it requires very little earthing up to blanch it, and as a Celery for fall and early winter use it is unsurpassed.

Pkts., 5c. and 10c.

Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.



## CELERIAC, OR TURNIP ROOTED CELERY.

NEW

APPLE  
SHAPE.

Small foliage, large, round, and smooth.

Pkts., 5c.  
and 10c.

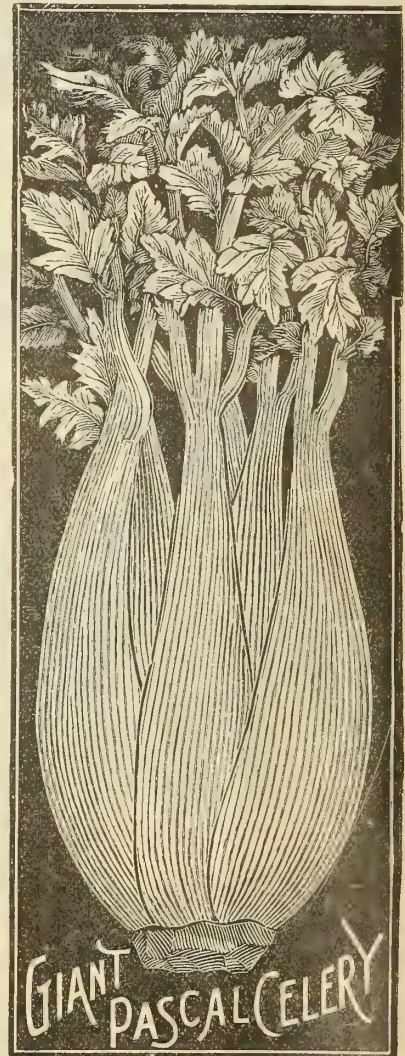
Oz., 20c.

1/4 Lb., 50c.



Lb., \$1.50. LARGE SMOOTH PRAGUE  
LARGE SMOOTH PRAGUE.

The largest, smoothest and best of the Celeriacs. Pkts., 5c. and 10c.  
Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.



**A** SELECTION from the well-known Self-Blanching Celery. It partakes of the best qualities of that variety, is somewhat larger, and an excellent keeper. It is of fine, nutty flavor, being entirely free from any bitter taste. It grows about 2 feet high. The stalks are very broad, thick and crisp; the width and thickness of these are distinctive features of this variety.

Pkts., 5c. and 10c.

Oz., 15c. 1/4 Lb., 40c. Lb., \$1.25.



1 Oz. will plant 50 hills;  
2 Lbs. will plant an acre.

## CUCUMBER.

German, Curke.



### IMPROVED LONG GREEN.

Has long been a favorite with growers; dark green, firm and crisp. Superior for pickles and for market.

Pkt., 5c.  
Oz., 10c.  
1/4 Lb., 20c.  
Lb., 40c.

### LONG GREEN TURKEY.

A very showy and excellent sort.

Pkt., 5c.  
Oz., 10c.  
1/4 Lb., 20c.  
Lb., 50c.

### EVER-BEARING CUCUMBERS.

This variety is unique, and will prove valuable both for the table and for pickling. Is of small size, very early, enormously productive, and extremely valuable as a green pickler.

The peculiar merit of this new Cucumber is that the vines continue to flower and produce fruit until killed by frost, whether the ripe Cucumbers are picked off or not, in which respect it differs from all other sorts in cultivation.

Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 75c.



### COOL AND CRISP.

This is the earliest and one of the most prolific pickling Cucumbers. The Cucumbers are straight, long, even and slim, and of a dark color; it is very tender and crisp.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

### EARLY CLUSTER.

A short, prickly variety, bearing in clusters near the root. A great bearer.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

### JAPANESE CLIMBING CUCUMBER.

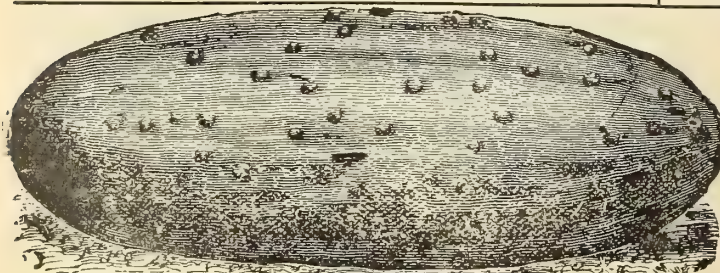
It bears abundantly throughout the season, while the climbing habit enables the hanging fruit to grow perfectly straight, from 12 to 16 inches in length; the Cucumbers are thick, tender, and of delicate flavor; flesh white, skin dark green, turning to brown and netted when ripe.

Pkt., 5c. Oz., 15c. 1/4 Lb., 50c. Lb., \$1.50.

### ENGLISH FORCING CUCUMBERS.

Should be grown in hot-beds where the temperature does not fall below 65 degrees at night.

✓ TELEGRAPH is the best. 25c. Packet.



JERSEY PICKLE.

### CULTURE.

FOR very early Cucumbers sow the first of April in a hot-bed, upon pieces of sod (grass side down), so that they can be readily transplanted to the open ground, in rich soil, when danger of frost is over, or protect by hand-glasses. The vines require a warm location for early Cucumbers. Plant after the ground has become warm, in hills 4 feet apart for the smaller varieties, and 5 feet for the larger sorts. For pickling, sow from middle of June to last of July. Manure with ashes, fertilizer or some well-rotted compost, working the manure just under the surface. Sprinkle the vines with slug-shot, when large enough for use, to protect from bugs. The Cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness.

### WHITE WONDER CUCUMBER.

The White Wonder surpasses the White Pearl both in handsome appearance and fine quality, while its strong, vigorous, extremely healthy habit of growth enables the vines to produce a large crop of perfect fruit, even under adverse conditions. Its strong constitution is exceptional. The Cucumbers are thickly set throughout the length of the vine, and are remarkably uniform in color, shape and size. Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., \$1.00.



✓ ARLINGTON WHITE SPINE.—A favorite extra early variety, of desirable size, handsome shape, dark green color, holding its color longer than most others. Good shipper and sells well. Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 30c. 5 Lbs., \$1.25.

✓ EARLY GREEN PROLIFIC.—A very productive variety, having fruits of good length and handsome form. Desirable for producing pickles of medium size and of fine quality when sliced for the table.

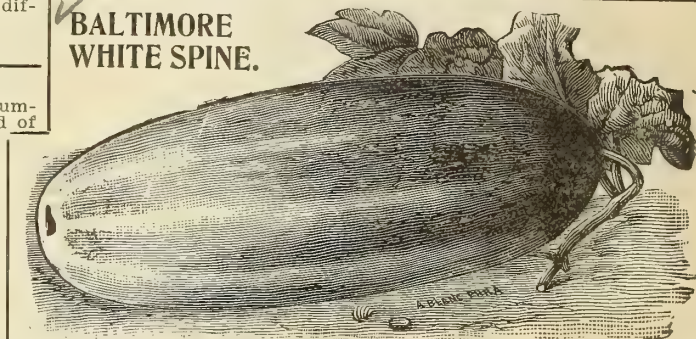
Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

### EXTRA EARLY WHITE SPINE.

A strain of White Spine which has been improved through careful selection, with a view to use for forcing in hot-houses and frames; also elegant for field culture. Our stock produces handsome, dark-colored fruits, which retain their color longer than other sorts.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

### BALTIMORE WHITE SPINE.



THIS is the best Cucumber for early planting, because it will retain its green color longer than any other sort. It is of good size and shape, and the popular variety with truckers around Baltimore and Norfolk, as well as the growers from Virginia to Florida.

Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

### SHERKIN, OR BURR.

Used for pickles only.

Pkt., 5c. Oz., 15c. 1/4 Lb., 35c.

### JERSEY PICKLING.

This is the most popular sort with the market gardeners around Baltimore and Philadelphia for pickling. Said to green better than any other variety.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

### CHICAGO PICKLING.

Very Popular With Chicago Market Gardeners, and Extensively Grown in that Vicinity.

Fruit medium length, pointed at each end; with very large and prominent spines; color deep green.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

**CULTURE.**—Sow the seed in hot beds early in March. When three inches high, pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stocky. They can be planted out, from the pots, when the season becomes sufficiently warm, in May or June; or they can be transplanted into a second bed to make them strong, until the weather is warm enough to transplant, about three feet apart each way, in thoroughly worked and well enriched soil. Draw the earth up to the stems when about a foot high. Egg Plant Seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth, they seldom recover. Therefore repeated sowings are sometimes necessary. Care should be observed in cutting the fruit, so as not to disturb the roots of the plants.

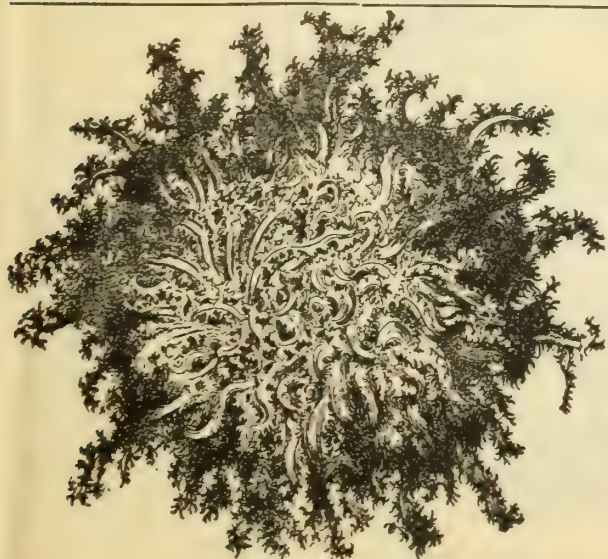
## **BALTIMORE EGG PLANT.**

GERMAN,  
**Eierpflanze.**

(One ounce will produce about one thousand plants.)



**BALTIMORE EGG PLANT.**—When once used, takes the lead.



**T**HIS is decidedly the best and most profitable Egg Plant in cultivation. It is large, thornless, of beautiful shape and handsome purple color. We have never seen finer specimens of Egg Plant than those grown from our seed. When inspecting the field of Egg Plants growing for seed we were surprised at the regular size and uniform, handsome color of the fruit all over the field.

**Pkt. 10c. Oz. 30c. 1/4 lb. 90c. Lb. \$3.00.**

## **Endive.**

GERMAN,  
**Endivien.**

IS ONE OF THE BEST SALADS FOR FALL AND WINTER USE.

(One ounce of seed to one hundred and fifty feet of row.)

**F**OR early use, sow as soon as the ground can be worked in the spring, in drills fifteen inches apart, and thin plants to six or eight inches in the row. To blanch the leaves, gather them carefully together when perfectly dry, and tie with matting or soft fibrous material. Another method is to invert flower pots over the plant. The leaves are very highly esteemed for use as salads.

**GREEN CURLED.**—The best sort in use. Useful as a salad, and also used for garnishing. **Pkt. 5c. Oz. 15c. 1-4 lb. 40c. Lb. \$1.25.**

### **TRUE TO NAME.**

I bought seeds of you last year, and they proved true to name and of excellent vitality. Therefore, I place my order with you again this year.

March 11, 1901.

O. E. WILDER, Ohio.

**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**

1 Oz. of Seed Will Sow a Drill of About 200 Feet.

## **KALE.** German, Blatter-Kohl.

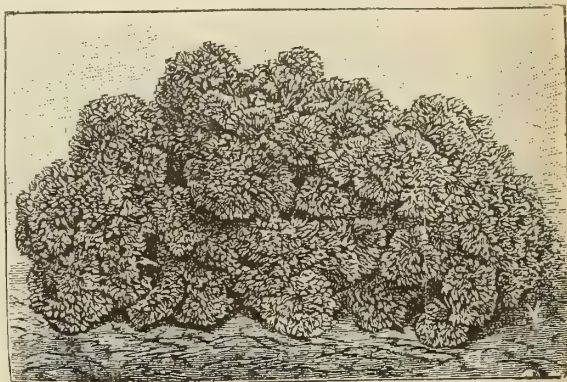
THE KALES are more hardy than Cabbage, and make excellent greens for winter and spring use, and are improved by frost. For early spring use, sow broadcast in September, and protect during winter. It must also be sown in April or May for later use.

**DWARF GREEN GERMAN KALE.**—This variety sow in September broadcast, and gather in early spring like spinach. It may also be sown early in the spring for later use. Pkt., 5c. 1/4 Lb., 15c. Lb., 35c.

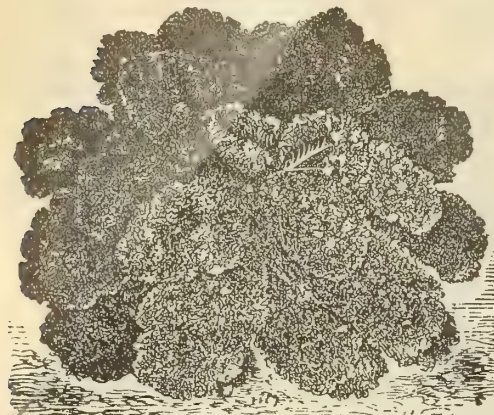
### **NORFOLK.**

A variety used by the truckers of Norfolk for shipment North. Light green color and leaves much curled.

Packet . . . . 5c.  
 Ounce . . . . 10c.  
 1/4 Lb. . . . 25c.  
 Lb. . . . . 75c.



DWARF GREEN GERMAN KALE.



### **EXTRA CURLED NEW AMERICAN KALE.**

This is an extra curled, long-standing variety of a beautiful green color; stands the winter well, and will stand longer in the spring before going to seed than any other variety. Pkt., 5c. 1/4 Lb., 15c. Lb., 35c.



## **KOHLRABI.**

1 OZ. OF SEED TO 100 YARDS OF ROW.

### **WHITE VIENNA.**

BULB LIGHT GREEN.  
 FLESH WHITE.  
 VERY RAPID IN GROWTH.  
 EARLY MATURITY.  
 FINE IN TEXTURE, and  
 SYMMETRICAL IN FORM.  
 SUPERIOR.

Pkts., 5c. and 10c.  
 Oz., 20c. Lb., \$1.50. 1/4 Lb., 50c.

## **LEEK.** German, Lauch.

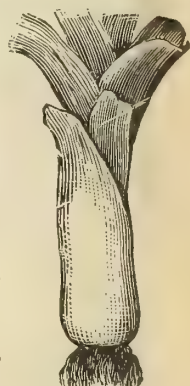
1 OZ. OF SEED TO 150 FEET OF ROW.

SELECT good Onion soil, manure liberally, plant in April in drills 6 to 8 inches deep, and 18 inches apart, and thin to 9 inches apart in the drill. Gradually draw the earth around the plants until the drills are filled level with the surface. Draw for use in October. To be used in soups or boiled as Asparagus.

**EXTRA LARGE.**—A large and strong plant; hardy. The best variety for general culture. Pkts., 5c. Oz., 15c. 1/4 Lb., 40c. Lb., \$1.25.

**MUSSELBAUGH.**—Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.

**LARGE ROUEN.**—Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.



# **LETTUCE.** German, Lattich.

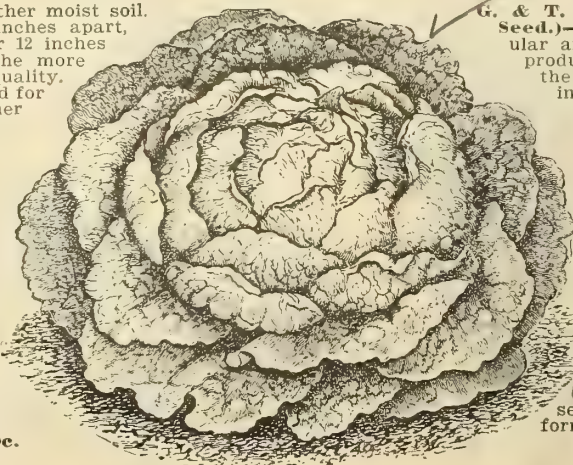
LETTUCE requires a rich and rather moist soil. The rows should be about 12 inches apart, and the plants thinned to 10 or 12 inches apart for the leading varieties. The more rapid the growth the better the quality. Some varieties are peculiarly adapted for early culture, others for summer growth.

### **G. & T. CO.'S WHITE SEED SUMMER LETTUCE.**

The Best Summer Lettuce Ever Introduced.

This variety, introduced by us two years ago, has exceeded our expectation. Those who purchased it were delighted with their crops and came back for more seed. This Lettuce will stand the summer heat better than most sorts, and makes magnificent heads. We expect this sort to grow in favor wherever known. It has a beautiful green color; head solid; light; leaves nicely crinkled; very tender and of most excellent flavor.

Pkt., 5c. Oz., 20c. 1/4 Lb., 50c.  
 Lb., \$1.50.



**G. & T. CO.'S SUMMER LETTUCE (Black Seed.)**—This Lettuce is becoming very popular among gardeners for summer use. It produces a splendid, large, solid head, of the Cabbage type, remaining a long time in prime condition without going to seed; in fact, it is often necessary for the seed growers to slit open the head in order to allow the seed stalk a chance to develop. It is of a light green color, fine quality, crisp, tender, and nearly every plant will make a fine, solid head in the hottest weather, when other varieties refuse even to grow. Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.00.

**EARLY WHITE CABBAGE, OR BUTTER.**—A broad-leaved, vigorous-heading sort; white, showy and desirable. Pkt., 5c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.00.

**EARLY CURLED SIMPSON.**—Black seed. Very early; excellent for salads; forms a compact mass of leaves. Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.00.

**TENNIS BALL.**—Black seed. A favorite forcing variety; a very hard head. Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.

## LETTUCE.

(CONTINUED.)

### Baltimore Cabbage Lettuce.

G. & T. CO'S TRUE STOCK.

Large Heads, Beautiful Heads, Solid Heads, Stands Heat Well. Best of all for FALL PLANTING.

**T**HIS new Lettuce, which we introduced a few years ago, and claimed to be one of the best ever put on the market, and which produced such a sensation among the large growers who tried it, still holds a high place among Lettuce. As soon as the growers discovered its merits they came for more seed, and recommended it to all their friends; these, in turn, were delighted with their crops, as the result more than justified all we claimed for it. A grower at Gardenville, Md., says: "I had 3000 heads of your Baltimore Cabbage Lettuce, and they all headed but one; they are slow to run to seed." The heads are large and solid; color, pretty light green, and very slow to seed; in fact, it is just what the truckers and gardeners want. A large trucker in New Jersey writes: "The Baltimore Cabbage Lettuce I had of you was certainly very fine."

Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.

**BALTIMORE OAK LEAF.**—This Lettuce will resist the heat of summer and stand longer before running to seed than any variety we have ever known. It makes a large, solid head, and is very popular with those who know it.

Pkt., 10c. Oz., 25c.

**PARIS WHITE COS.**—Differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height and five or six inches in diameter. The outer coloring of this variety is yellowish green. It is very hardy and of good flavor. To blanch perfectly it must be tied up.

Pkt., 5c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.00.

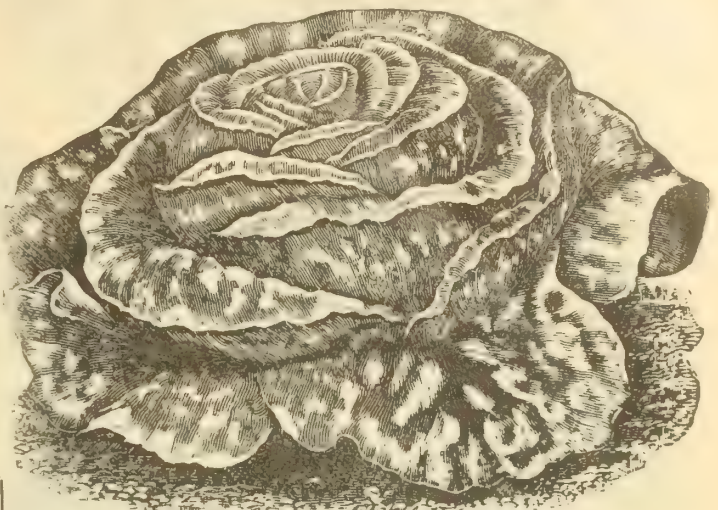
#### BIG BOSTON.

The same in color, shape and general appearance as the Boston Market, but double the size. A most desirable sort either for forcing in cold frames or planting in open ground. Is popular with truckers, as it makes large, solid, salable heads. Very highly recommended by those who have tried it.

Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 40c. Lb., \$1.25.

**GRAND RAPIDS.**—This variety is largely grown for shipment, and is considered by many the best loose-headed Lettuce for forcing under glass. Leaves medium size, of light, yellowish-green color, much crimped and frilled, thin, but of very upright growth; crisp, tender and of good quality. Owing to its upright habit, it may be planted very closely. It is of extremely rapid growth; very little liable to rot; will stand without spoiling a week to ten days after it is fit to cut, and retains its freshness a long time after cutting.

Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., \$1.00.



BALTIMORE CABBAGE LETTUCE.

#### BIG HEAD LETTUCE.

The "Big Head" is certain to please market gardeners and truckers, because it always produces large, salable heads. It is very solid and crisp, of tender quality, which makes it attractive.

Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 40c. Lb., \$1.25.

#### BOSTON MARKET.

White seed. A celebrated variety in New England, of good heading habit; small, early and compact; quite desirable.

Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 30c. Lb., \$1.00.

#### IMPROVED NEW YORK, or "WONDERFUL."

Plants of extra large growth, producing heads of immense size under favorable conditions. Inner portion is beautifully blanched, and stands for a considerable time before running to seed. Outer leaves a deep, rich green.

Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 35c. Lb., \$1.10.

#### CREAM BUTTER LETTUCE.

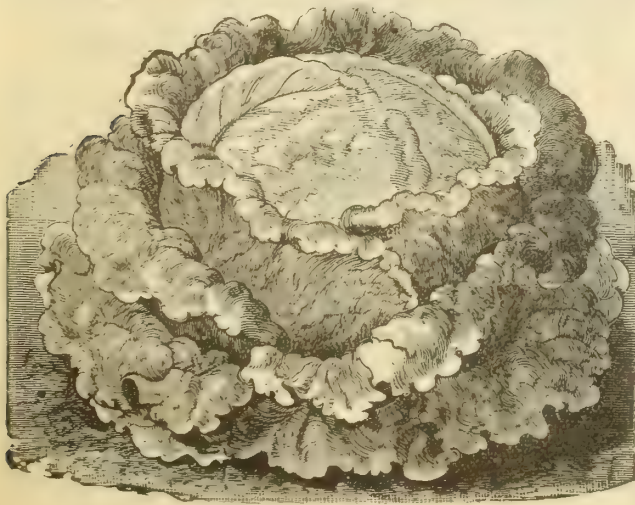
(Black Seed).

This is fairly well known, and has given good results with the growers

Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., \$1.00.



BIG BOSTON.



LARGE LOAF LETTUCE.

**HANSON.**—A variation of the Indiana, forming a half-closed head.

Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 30c. Lb., 90c.

#### SALAMANDER (Black Seed).

An excellent sort for spring or summer use; forms good-sized heads of excellent quality.

Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., \$1.00.

#### DEFIANCE.

Stands summer heat better than any other variety; one of the finest large-growing varieties. It forms very large, solid heads, so firm they have to be cut open to allow the flower heads to come through.

Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., \$1.00.

### Large Loaf Lettuce.

**T**HIS is so well known to truckers and gardeners around Baltimore and Norfolk that for them it scarcely needs description. For the benefit of those who are not acquainted with it, would say it makes large, compact heads, is of beautiful light green color, very tender and crisp. This is unsurpassed for frame use, and is also an excellent outdoor Lettuce for fall or early spring.

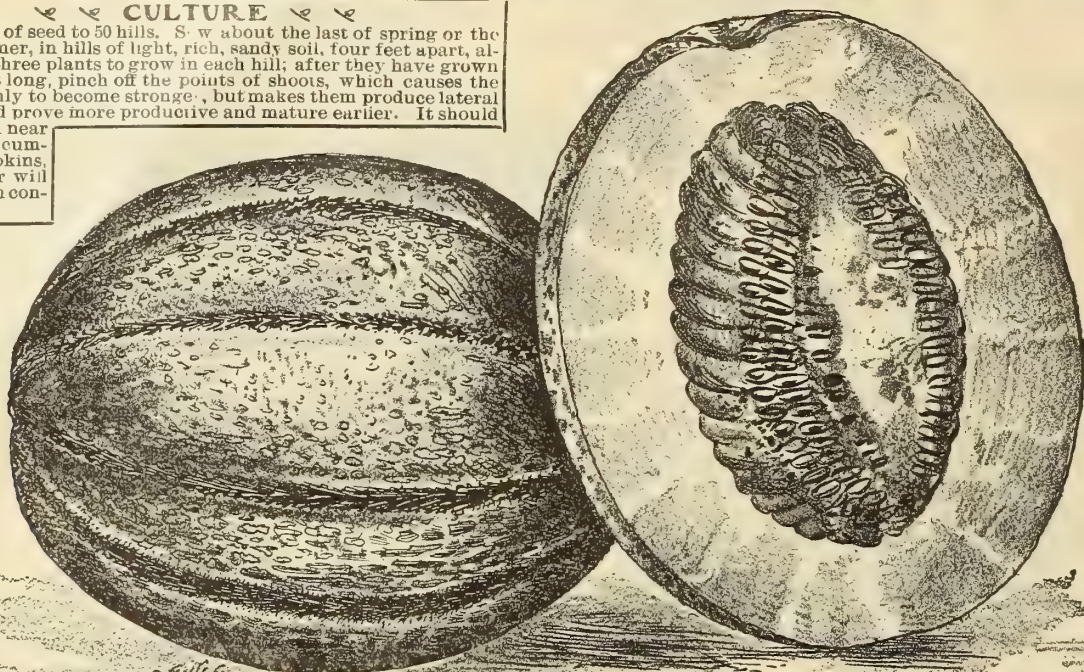
Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., \$1.00.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

# MUSK - MELON.

6 6 CULTURE 6 6

One ounce of seed to 50 hills. S. w. about the last of spring or the first of summer, in hills of light, rich, sandy soil, four feet apart, and lowing but three plants to grow in each hill; after they have grown about a foot long, pinch off the points of shoots, which causes the vines not only to become stronger, but makes them produce lateral branches and prove more productive and mature earlier. It should not be grown near squashes, cucumbers or pumpkins, as the flavor will be affected in consequence.



MARYLAND ENG CO  
BALTO MD

BALTIMORE NUTMEG.

### EARLY NETTED GEM.

**E**XTENSIVELY grown, and many prefer it to all others for table use. Shape almost a perfect globe, and grows remarkably uniform; thick meated; flesh light green in color, and of fine, luscious flavor; skin green, regularly ribbed and thickly netted; very productive and extra early in ripening; will keep for nearly a week after picking, and is especially suited for shipping in baskets or crates.

**Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 40c. 5 Lbs., \$1.50.**

**IMPROVED JENNY LIND.**

A small, early variety of surpassing good quality, highly recommended for family garden. We consider this the most delicious Cantaloupe we have ever eaten, and while the fruit is small, it is an abundant bearer. A market gardener having this sort for sale would in a short time have no difficulty in disposing of all he could raise.

**Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 30c.**

**TRUE TO NAME.**

The **Rocky Ford** I got of you last year was excellent and every hill proved true to name.

J. A. RICHARDSON, Smithsburg, Md.

I am more than pleased with vour seed.

September 17, 1901.

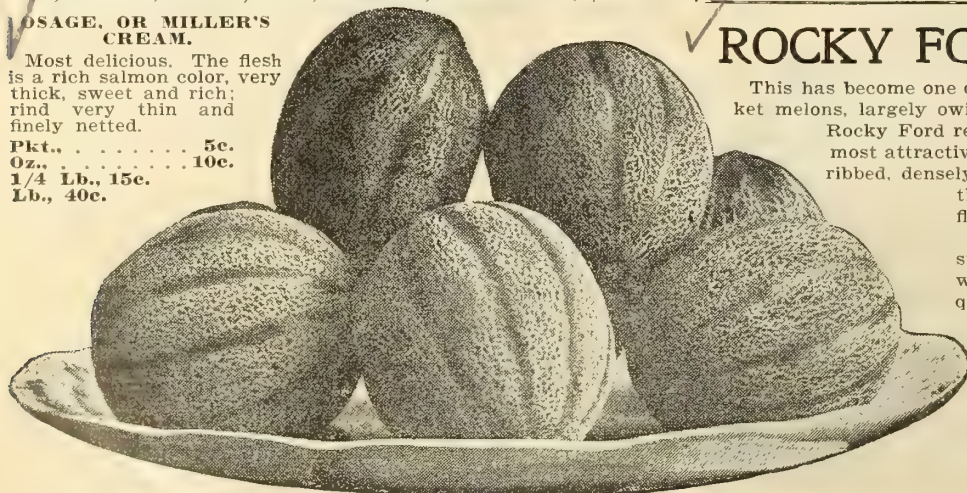
N. E. MILLER, Virginia.

## ROCKY FORD MELON.

This has become one of the most popular of small or basket melons, largely owing to the fact that growers in the

We offer an exceptionally **fine** stock of this sort, the fruit being wonderfully uniform in shape and quality.

Pkt., . . . . .	5c.
Oz., . . . . .	10c.
1/4 Lb., . . . . .	20c.
Lb., . . . . .	50c.
5 Lbs., . . . . .	\$2.00.



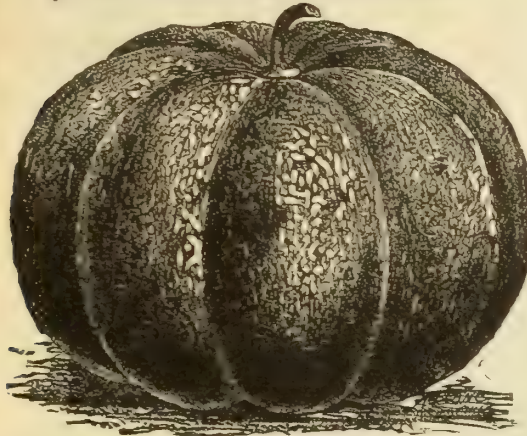
ROCKY FORD.

# GRIFFITH & TURNER CO.

## MUSK MELONS

(CONTINUED.)

### ✓ Southern Beauty Cantaloupe.

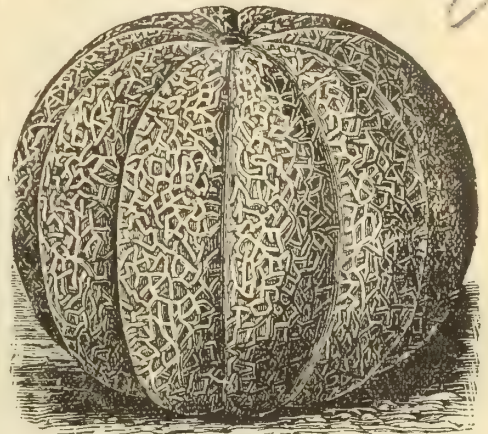


The Musk Melon for the South.

The Grower says: "It is the finest Cantaloupe I have ever planted, particularly suited to the Southern climate. It is remarkably free from rot of all sorts caused by damp or rainy weather, and will hold up a long time after they have ripened, the outer rind remaining firm and sound for at least ten days after the melon first ripens." Again he says: "I shipped these cantaloupes from this point to Chicago, Ill., Cleveland and Cincinnati, Ohio, by freight, where they arrived in perfect condition, and brought fancy prices."

Pkt. 5c. Oz. 10c.  
1-4 lb. 20c. Lb. 60c.  
5 lbs. \$2.50.

### Extra Early Hackensack. ✓



Netted, green flesh and excellent; very showy market variety and an excellent keeper. Ten days earlier than the Old Hackensack.

Pkts. 5c. and 10c.  
1-4 lb. 15c. Lb. 40c.  
5 lbs. \$1.50

### Anne Arundel Cantaloupe. ✓

(Original Stock.)

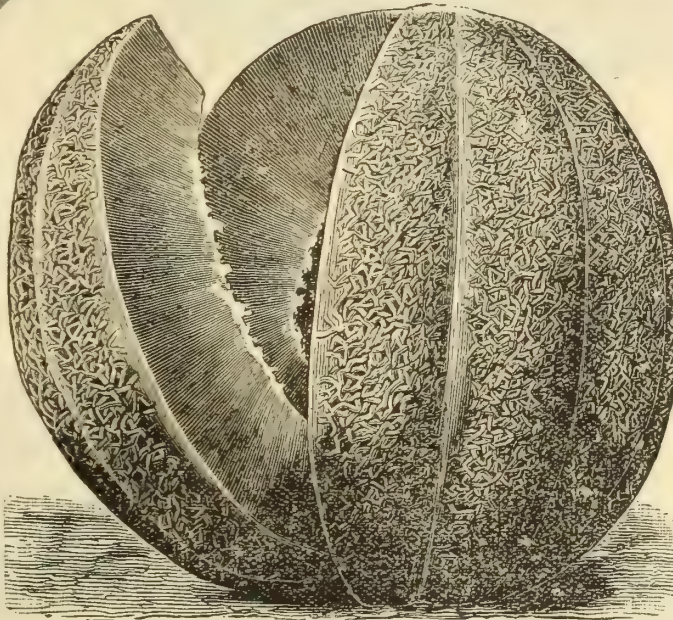
The cut represents a sample of our stock photographed from fruit taken from the growing seed crop. It is very large, nearly round, deeply netted, and of good flavor. A wagon-load of them at once attracts the buyers' attention, and when piled up on a market stall they are irresistible. No large grower's stock is complete without this superb melon.

This handsome melon, introduced by us several years ago, was for years a special favorite with a number of the leading growers of Anne Arundel County, Maryland. Knowing its value, we selected the stock and placed it before our customers. It has met every promise we made for it upon its introduction.

One grower says: "It is in all respects one of the best of melons." Another says:

"Portsmouth, Va.  
"Dear Sirs—The Anne Arundel Cantaloupe was perfectly satisfactory—just what it is claimed to be. It proved to be early, of good size, and gave me a large yield."

Pkts. 5c. and 10c.  
1-4 lb. 15c. Lb. 40c.



ANNE ARUNDEL.

rare that a musk melon of such superlative quality is a good market or shipping sort, but the firm, solid flesh and thin but strong rind of this sort makes it the best snipper we know of, while it is just the size for hotel and table use. We think it really has no equal as a market melon for professional melon growers, and it is one of the very best sorts for the home garden.

Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 45c. 5 lbs. \$2.00

PERFECTED—DELMONICO.—This is one of the best of the red-flesh sort; the flesh is a deep, rich orange color, of very fine grain, and of delicate and delightful flavor. Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

## BANQUET.

This superb melon represents years of careful selection and improvement. The raiser regards it as his greatest production and likely to supersede all other red-fleshed melons. "The Banquet" is a medium-sized melon, flat at both ends, and more beautifully netted than any known variety. In quality it has no equal; the flesh is uniformly deep and of that granulated character that always indicates a good melon; the color is a dark, rich salmon.

Pkt. 5c. Oz. 10c. 1-4 lb. 25c. Lb. 75c.



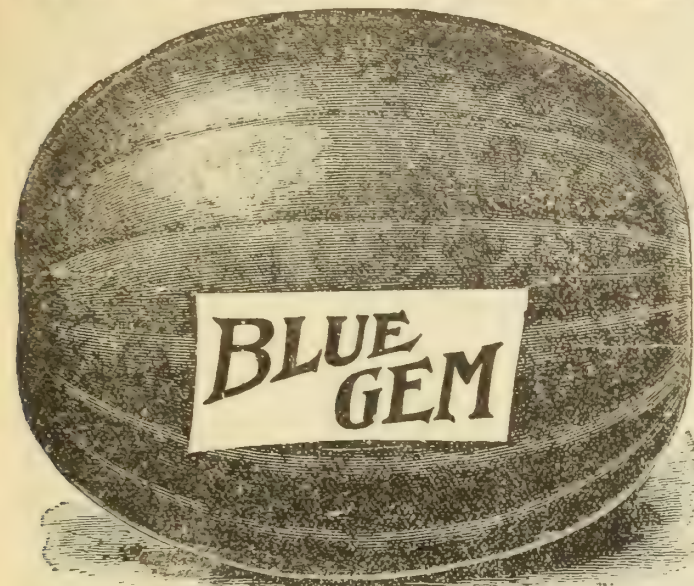
PAUL ROSE.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



# GRIFFITH & TURNER CO.

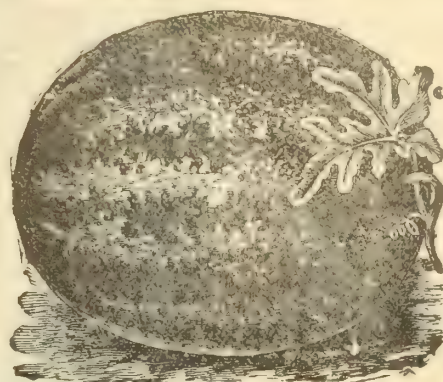
## WATER-MELONS—Continued.



### ✓ BLUE GEM.

**T**HIS splendid Melon resembles the Kolb Gem in shape, and is of a dark bluish color, with small grayish stripes. It is one of the very best shippers, and as a table Melon much superior to the Kolb Gem. Very productive, and is handsome and showy.

A grower in Dixie (Georgia) says: "If you want a shipper that will go around the world, you can safely select the **BLUE GEM**." Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 35c. 5 Lbs., \$1.50.



### ✓ KOLB'S GEM.

**T**HIS is one of the largest, most productive, best-keeping and best-shipping Watermelons grown. Sells readily at the highest market prices. In fact, it is so well known that it speaks for itself. Our stock of this comes direct from the original grower. Special prices on large quantities Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 30c. 5 Lbs., \$1.25 10 Lbs., \$2.00.

#### DIXIE.

It is earlier and larger than the well-known and popular Koll Gem, and in color a darker green, with beautiful stripes, making it one of the handsomest Melons on the market. Flesh deep red, sugary and melting.

Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 40c.

#### SWEETHEART.

An entirely distinct and handsome new Watermelon. Vine vigorous and productive, ripening early. Fruit large, oval, very heavy, uniformly mottled light and dark green. Flesh bright red solid and very sweet.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

## English Mill Track Mushroom Spawn.

Lb., 12c. By Mail, 20c. 1b. 10 Lbs., \$1.00. 100 Lbs., \$8.00.

### CULTIVATION.

**T**HE cultivation of the Mushroom is a very simple matter, and requires only ordinary intelligence and care. The materials needed are fresh horse manure, good soil and live spawn. The manure should not be too short, as it does not combine the necessary qualities. Long, strawy litter, plentifully mixed with short manure, makes by far the best beds, as it does not heat too violently, decomposes slowly and retains its heat for a long period. Put in a heap and turn every three or four days to permit the escape of noxious gases and prevent burning. When ready for use it should be as hot as can be borne comfortably by the hand, and should also be moist. Make the beds 3 feet wide at the base, 2 1/2 feet high, and of any desired length. The manure, when in proper condition, should be quickly handled to prevent the loss of heat, and be beaten down to make the heap firm and compact, and cover with long litter. The bed should within a few days warm to a temperature of 110 to 120 degrees. Never spawn a bed when the heat is rising, but always on the decline and under 90 degrees. Have a ground thermometer, and keep it plunged in the bed; by pulling it out and looking at it you can ascertain exactly the temperature of the bed. Should the temperature not exceed 100 or 110 degrees no alarm should be felt, for if the manure was fresh it will likely produce a good crop. Where the heat has decreased to 90 degrees the bed is ready to receive the

spawn, which is done by raising the manure with the hand and inserting pieces of spawn 2 inches square and 9 inches apart each way. At the expiration of a few days the bed may be covered with soil to the depth of about 2 inches. If in a closed cellar or mushroom house, wait

about ten days, but if in open shed five days will do. If the soil is poor, add a liberal quantity of bone meal. It requires a period of 5 to 7 weeks before they are ready for use.

**Two pounds of spawn are sufficient for a bed 3 feet by 6 feet.**

Mushrooms can be readily grown in cellars, stables, sheds or pits. Many are successfully grown on a shelf in an ordinary cellar, and yield sufficient crops to compensate the grower for his effort. The space under greenhouse benches or stagings will suit them exactly, using materials in same manner as described.

**MUSHROOM ON PASTURE LAND OR LAWN.**—About the first of June take pieces of spawn an inch square, and lift the sod with a trowel or spade just sufficient to get a spawn under it, and then press the soil down hard. Set the spawn 1 to 2 feet apart. In a favorable season a crop may be expected in 3 or 4 months from the time of planting.

### MUSTARD. GIANT CURLED.

**H**IGHLY esteemed in the South, where the seed is sown in the fall, and used in the spring as a salad. Our stock is the true curled leaf, and produces plants 2 feet high and of greater breadth, forming enormous bunches.

Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

### WHITE MUSTARD.

1/4 Lb., 10c. Lb., 25c.

## NASTURTIUM.

Plant in May, the climbing varieties to cover arbor or fence, and the dwarf for beds or hanging baskets. The leaves are used for salad, and the seeds, when soft enough to be penetrated by the nail, for pickles.

**TALL.**—Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 75c.

**DWARF.**—Pkt., 5c. Oz., 15c. 1/4 Lb., 30c. Lb., \$1.00.

# GRIFFITH & TURNER CO.

## ONION SEED.

### CULTIVATION.

#### TO GROW LARGE ONIONS FROM SEED.

THE seed should be sown as early as possible in the spring, as they grow much better during the cool weather, and should make most of their growth before the hot weather sets in. Sow 5 pounds of seed to the acre for large Onions.

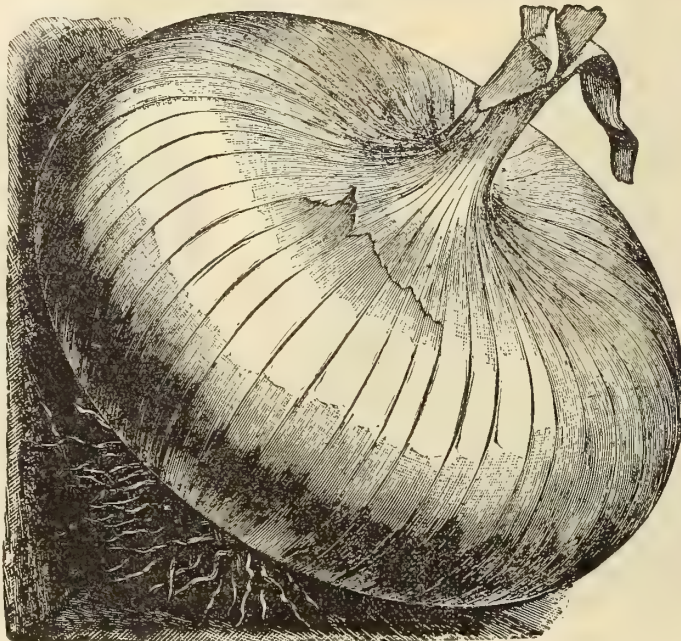
#### THE NEW ONION CULTURE.

Sow the seed in hot-bed, and transplant early as possible to open ground. They can be grown very successfully by this plan.

#### WHITE PEARL ONION.

Earliest of all, growing with all the rapidity of a summer Radish. Pearly white, waxy and transparent. Form flat and broad, flavor very mild, and it can be eaten raw almost like an apple. On rich soil it will grow very large. This is an elegant sort to sow for large Onions, because of its rapid growth and fine quality.

Pkt., 5c. Oz., 15c. 1/4 Lb., 50c. Lb., \$1.50.



WHITE SILVERSKIN ONION.

### CULTIVATION FOR SETS.

HAVE a clean and very rich soil, which should be thoroughly cultivated, or it will not do well enough to pay for the trouble. The most successful growers work their ground several times in the fall to kill out the weeds and get ground in nice condition. Use well-rotted manure freely, and be sure to get the seeds in as early as possible in the spring, no matter if it is ever so cold or unpleasant, and keep the soil mellow and clear of weeds, and if seed is good you will have a large crop of Onion Sets. On no other condition can you hope for success. Disturb the roots of the Onion as little as possible, either in thinning or hoeing, and never hoe earth toward them to cover or hill, as we do most other things. Sow the seed in drills about 12 inches apart. It will require from 40 to 60 pounds to sow an acre.

#### WHITE SILVERSKIN, or PORTUGAL.

A good variety for family use; skin and flesh pure white, mild flavor and flat shape. The best white Onion to grow largely for sets.

Pkts., 5c. and 10c.  
Oz., 20c. 1/4 Lb., 50c.  
Lb., \$1.60. 5 Lbs., \$7.50.

#### WETHERSFIELD LARGE RED.

A well-known and favorite sort. A large yielder and good keeper.

Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 85c.

#### ONION SETS.

WHITE—Qt., 25c.; mailed, 40c.

YELLOW—Qt., 20c.; mailed, 30c.

Write us for quotations by the bushel.

#### PRIZETAKER.

(American Grown.)

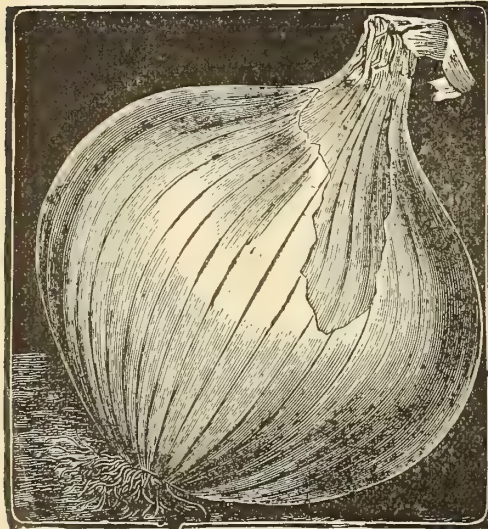
THIS is the large, beautiful Onion that is seen every fall offered for sale at the fruit stores in Baltimore and other large cities. It has a rich straw color and is of enormous size. Although of such large size, it is very hard and an excellent keeper. The flavor is mild and delicate, making the Prizetaker a favorite variety for salads. By sowing this sort early you can raise a large crop of large Onions the first season with very little trouble. All that is necessary is good ground, proper cultivation, and not to have them too thick. Those of our growers who have tried this variety have had remarkably fine success.

Pkt., 5c. Oz., 15c. 1/4 Lb., 35c.  
Lb., \$1.15. 5 Lbs., \$5.00.

#### AUSTRALIAN BROWN.—A Valuable Long-keeping Onion.

This new Onion, introduced into the United States a few years since, has met with wonderful success, and is pronounced the best keeper of all Onions. The outside skin is of a deep amber brown, distinct from all other Onions, extremely hard and firm, of fine flavor and will keep almost indefinitely. Australian Brown is the only Onion Australian growers will plant.

Pkts., 5c. and 10c. 1/4 Lb., 50c. Lb., \$1.50.



PRIZETAKER ONION.



ONION SETS.

### OKRA OR GUMBO.

SELECT warm location and rich soil, and plant when the ground becomes warm, in rows three feet apart, thinning plants a foot apart in the row. As the seeds are liable to rot in cool weather, they should be sown thickly. The pods are used to thicken soup, being gathered when young. It is one of the most wholesome vegetables in use.

#### DWARF PROLIFIC.

This is the preferred kind with the growers; is of dwarf habit and very productive.

Pkts., 5c. and 10c.  
1/4 Lb., 15c. Lb., 40c.

#### WHITE VELVET.

It is very distinct, and the pods are perfectly round and smooth, of an attractive white velvet appearance, and of superior flavor and tenderness. The pods are of extra large size, and produced in great abundance.

Pkt., 5c. Oz., 10c.  
1/4 Lb., 15c. Lb., 40c.



September 17, 1901.  
I am more than pleased with your seed.  
N. E. MILLER, Hudgins, Va.

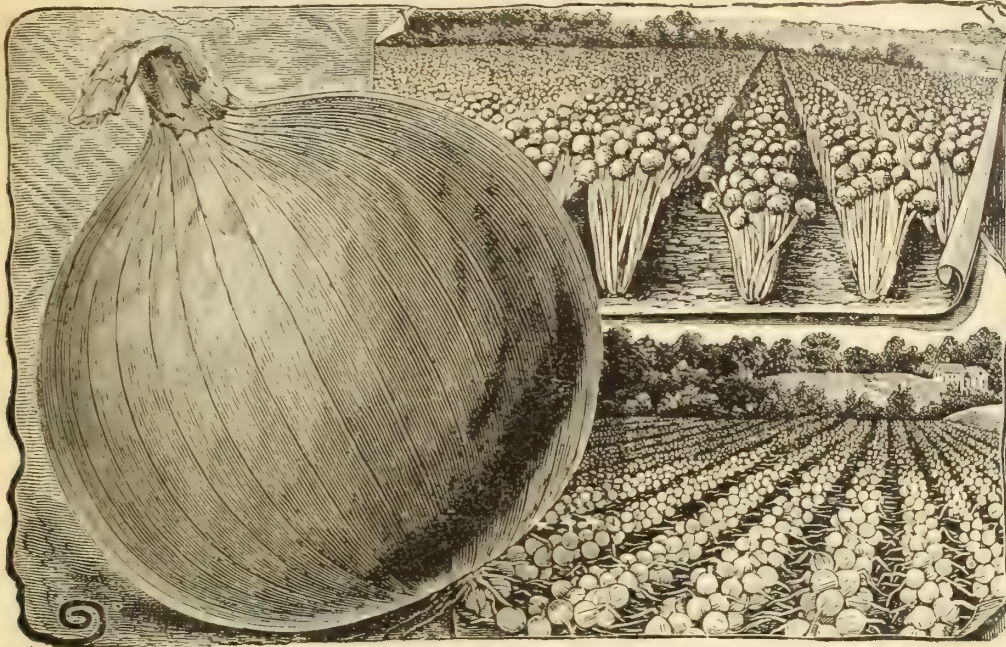
#### TRUE TO NAME.

The Rocky Ford Cantaloupe Seed I got of you last year was excellent, and every hill proved true to name.

J. A. RICHARDSON,  
Smithsburg, Md.

# GRIFFITH & TURNER CO.

## ONION SEED—Continued.



THIS CUT REPRESENTS A FIELD OF YELLOW GLOBE DANVERS.

### YELLOW GLOBE DANVERS.

A very handsome, round, yellow Onion, a large yielder and splendid keeper; the preferred sort with market gardeners and large growers all over the country. We unhesitatingly recommend it for growing either sets or large Onions. Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., 85c. 5 Lbs., \$4.00.

An Order for Seed in packets, and Beans, Peas and Corn in pints and quarts, amounting to \$5. will be sent for \$4, purchaser paying freight.

### LARGE YELLOW DUTCH, OR STRASBURG.

Very fine; a good keeper. The kind used very largely by those who grow Onion Sets for market.

Pkt., 5c. Oz., 10c.  
1/4 Lb., 25c. Lb., 85c.  
5 Lbs., \$4.00.

### YELLOW FLAT DANVERS.

Oz., 10c. 1/4 Lb., 25c.  
Lb., 85c.

### BERMUDA VARIETIES.

THEY are of a mild and delicate flavor and keep longer than any foreign variety. Like the Italian varieties, they will produce full-grown Onions from seed the same season. In the South seed sown in the fall will produce fine, large Onions for market in early spring.

**RED BERMUDA.**  
Pkt., 10c. Oz., 20c.  
1/4 Lb., 65c.  
Lb., \$2.00.

**WHITE BERMUDA.**  
Pkt., 10c. Oz., 20c.  
1/4 Lb., 65c.  
Lb., \$2.00.

### PARSNIP.

THE Parsnip will flourish best and give the longest, largest and smoothest roots in a very deep, rich soil—one that has been made rich from manure the previous year. Fresh manure makes the roots somewhat ill-shaped. Sow as early in the spring as the ground can be made ready, pretty thickly in drills from 12 to 18 inches apart, and about an inch deep. Thin the plants to 5 or 6 inches apart.

### Hollow Crown or Sugar.

THE Hollow Crown is superior in quality to all other varieties, and the preferred kind with Baltimore gardeners. The roots are smooth, tender, handsome shape and early. We have the finest stock of Hollow Crown Parsnips that we know of in this country.

Pkts., 5c. and 10c.  
1/4 Lb., 15c. Lb., 40c.



ALL PRICES SUBJECT TO  
CHANGE WITHOUT  
NOTICE.

### DOING SPLENDID.

We were very much pleased with the garden seeds we got from you. What we have sown are doing splendid.

MRS. A. B. RENN,  
Feagaville, Md.

### PARSLEY.

SELECT rich soil; sow the seed in drills one foot apart, covering half an inch deep. It would be well to firm the soil with the foot after sowing the seed. As the seed is usually from 15 to 25 days in vegetating, it will be necessary to sow early. Thin plants to 4 inches apart when 2 inches high. The beauty of the plant may be increased by several successive transplantings. It is used principally for flavoring soups, etc., and for garnishing in its natural state.



**DWARF EXTRA CURLED.**—The most beautiful and valuable variety in use; handsome bright green color, finely crimped, beautifully curled. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.  
**MOSS CURLED.**—A very select crimped variety. Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 60c.

### PEPPER, or Capsicum.

IS cultivated mainly for Pickles; used as a seasoning in many ways; sometimes medicinally. Sow seed early in hot-bed, if possible; if not, select a warm place in the garden for seed bed; sow as soon as the soil is warm. Transplant when 3 or 4 inches high, in rows 18 inches apart.

**CAYENNE.**—Small, long and tapering, very hot; best for seasoning Pickles. Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 65c.  
**LARGE SWEET.**—Very large and excellent for Mangoes or Stuffed Pickles. Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c.  
**BULL NOSE, or BELL.**—Good for pickling; very hot. Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c.  
**RUBY KING.**—Excellent sort of large size and mild flavor. Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 60c.  
**GOLDEN QUEEN.**—In shape and size similar to Bull Nose, of mild flavor; color, yellow. Pkts., 5c. and 10c. Oz., 25c.  
**RED CHERRY.**—Pkts., 5c. and 10c. Oz., 20c.  
**RED CHILL.**—Pkts., 5c. and 10c. Oz., 20c.

## PEAS.

**NOTICE.**—In ordering Peas to be sent by mail, please add 8c. per pint to pay postage.

**THE** dwarf varieties should be liberally manured; the tall sorts will run too much to vine if heavily manured, it being better to depend on the richness of the land that was previously in a good condition. Plant the dwarf in rows two feet apart. Those varieties attaining the height of from two to three feet in rows three feet apart and the rows of the tallest sort four feet apart. Bushing the tall kind when six inches high, on poles set every six or eight feet, with twine fastened to them about four inches apart will answer finely.

**✓CHAMPION OF ENGLAND.**—Height, 4 feet. An old favorite, rich flavored and very productive. **Qt., 20c. Peck, 90c. Bus., \$3.50.**

**✓FORTY FOLD.**—An improvement on the Champion of England. **Qt., 20c. Peck, 90c. Bus., \$3.50.**

**✓TELEPHONE.** — Height, 3 to 4 feet. Large wrinkled seeds; pods large and well filled. **Qt., 20c. Peck, \$1.25. Bus., \$4.25.**

**✓TELEGRAPH, OR LONG ISLAND MAMMOTH.**—Resembles the Telephone in every respect, except they are a deeper shade of green. Pods are very attractive in appearance. **Qt., 20c. Peck, \$1.15. Bus., \$4.00.**

**✓RURAL NEW YORKER.**—Height, 2½ feet. In maturity it is among the first early. **Qt., 20c. Peck, \$1.25. Bus., \$5.**

**✓FIRST AND BEST.**—Height, 2½ feet. Grown with special care. One of the early varieties. **Qt., 20c. Peck, \$1.25. Bus., \$5.**

**✓DEXTER (Genuine Stock).** — Thoroughly rogued and hand-picked. **Qt., 20c. Peck, \$1.25. Bus., \$5.00.**

**✓PHILADELPHIA.**—Extra early. **Qt., 20c. Peck, \$1.25. Bus., \$5.00.**

**TRIUMPH.**  
**Qt., 20c. Peck, \$1.25. Bus., \$5.00.**

**✓GRADUS.**—The most attractive novelty of recent years. Large, handsome pods, well filled, ripening with the earliest, and of vigorous habit. **Pt., 20c. Qt., 35c. Peck, \$2.25.**

**✓ALASKA.**—Our best rogued and hand-picked stock. Height, 26 inches. The earliest Blue Pea; very uniform in growth and time of ripening. The dark green color of pods makes this a most desirable sort for canners and shippers, as it can be carried long distances without losing color. **Qt., 20c. Peck, \$1.50. Bus., \$5.75.**

**✓FRENCH CANNER.**—Height, 3½ feet. The celebrated Pea used in France by the canners. It is wonderfully prolific, bearing an abundance of long pods containing seven to nine Peas of excellent flavor. **Qt., 20c. Peck, 65c. Bus., \$2.00.**

**✓DWARF GREEN WRINKLED MARROW.**—An excellent new wrinkled variety. Large pods and very productive. **Qt., 20c. Peck, \$1.10. Bus., \$4.00.**

**✓IMPROVED STRATAGEM.**—Height, 2½ feet. A large wrinkled, blue Pea, of excellent quality; very long, large, filled pods. More regular in its growth than the ordinary Stratagem, and in every way superior. **Qt., 20c. Peck, \$1.25. Bus., \$4.25.**

**✓HORSFORD'S MARKET GARDEN.**—Height, 2½ feet. A medium early wrinkled variety, highly recommended. **Qt., 20c. Peck, \$1.15. Bus., \$4.00.**

**✓SHROPSHIRE HERO.**—A grand new second early wrinkled Pea, producing long, handsome, well-filled pods in great abundance. Height, 2½ feet. **Pt., 10c. Qt., 20c. Peck, \$1.15. Bus., \$4.00.**



✓ **Gardener's Favorite.**

**HEIGHT,** 30 to 36 inches. A wrinkled variety named and introduced by us, and which is constantly gaining friends; of most delicious flavor, prolific bearer, specially suited for the market garden trade. It is also attracting considerable attention with some of our leading canners, as when packed they find the quality to be superior to any other sort. **Pt., 10c. Qt., 20c. Pk., \$1.25. Bus., \$4.25.**



✓ **Heroine Pea.**

A medium early, green, wrinkled Pea, and one of the best of recent introduction; large, curved, showy pods; an immense cropper; Peas of finest quality. Height, 2 to 2½ feet. **Pt., 10c. Qt., 20c. Pk., \$1.10. Bus., \$4.**



✓ **G. & T. Co.'s First Early.**

(In sealed bags thoroughly rogued and hand-picked.)

**THIS** is the earliest of all, and the most profitable early market Pea, because of its early maturity, uniformity of growth and ripening, and its productiveness. It ripens up so evenly as only to require about two pickings to secure the crop. It is grown from selected stock, under our own supervision, and the greatest care is exercised to keep it up to the highest standard of quality. It is a great favorite with the truckers, and is largely used by private families. Our sales of this sort increase annually. **Pt., 15c. Qt., 25c. Peck, \$1.50. Bus., \$5.50.**



**Admiral Dewey.**

Here we have a most excellent Dwarf Pea, with large, handsome pods; Peas of the highest quality. More dwarf than the Stratagem, and about a week earlier in maturing, regular and uniform in growth; vines stocky, healthy and of vigorous growth; pods long, frequently containing 10 Peas, of tender and delicious flavor. Don't fail to try it.

**Pt., 20c. Qt., 35c. Peck, \$2.00.**

**ALL KINDS OF MACHINERY REPAIRED.**

## PEAS—Continued.



**NOTT'S EXCELSIOR PEAS.**

**NOTT'S EXCELSIOR.**—Is the best of dwarf wrinkled extra early of recent introduction. The vines are larger and more vigorous than the American Wonder, while the pods are fully one-third larger, containing 6 to 8 fine, large Peas, packed so closely together in the pods that the Peas are always more square than round. The pods are always well filled with Peas, which in sweetness and quality have no superior.

**AMERICAN WONDER.**—Very luscious in flavor. Try it. Height, 12 inches. The earliest wrinkled Pea; very productive and sweet. Better suited to the private than to the market garden. **Pkt., 15c. Qt., 25c. Peck, \$1.75. Bus., \$6.50.**

**PREMIUM GEM.**—Height, 15 inches. An improvement upon the Little Gem. A splendid wrinkled dwarf Pea, very luscious in flavor. **Pkt., 10c. Qt., 20c. Peck, \$1.50. Bus., \$5.50.**

**BLUE PETER, OR BLUE TOM THUMB.**—One of the earliest and hardiest of the dwarf varieties; blue seed, dark green pods; large Peas of excellent quality; much superior to the White Tom Thumb. **Pkt., 10c. Qt., 20c. Peck, \$1.00. Bus., \$3.75.**

**PRIDE OF THE MARKET.**—A medium early dwarf Pea of vigorous habit and very productive. The pods are large, of a medium green color, and contain 7 to 9 Peas of fine quality; 1½ feet. **Pkt., 15c. Qt., 25c. Peck, \$1.15. Bus., \$4.50.**

**YORKSHIRE HERO.**—Height, 2½ feet. A wrinkled variety; productive, and of very superior flavor. **Qt., 20c. Peck, \$1.00. Bus., \$4.**

**ADVANCER.**—Height, 2½ feet. A green wrinkled variety, introduced some years ago, and has always given satisfaction. **Qt., 20c. Peck, \$1.10. Bus., \$4.00.**

**ABUNDANCE.**—Height, 30 to 36 inches. An excellent half-dwarf, medium early, wrinkled variety, pods ¾ inches long, containing 6 to 8 large Peas of excellent quality. **Qt., 20c. Peck, \$1.10. Bus., \$4.00.**

**EVERBEARING.**—Vines about 2 feet high, of a branching character, forming as many as 10 stalks from a single root stalk. Peas large and of fine quality.

**Qt., 20c. Peck, \$1.10. Bus., \$4.00.**

**SUGAR MARROWS.**—Height, ¾ feet. Grows a strong vine, bears in abundance large, filled pods. The truckers' favorite.

**Qt., 20c. Peck, \$1.25. Bus., \$5.00.**

## EDIBLE PODDED OR SUGAR PEAS.

**MELTING SUGAR—Edible Pods.**

**THIS** variety is ahead of all other Sugar Peas, not only in size of pod and prolific bearing, but also for its delicious flavor. It grows to the height of 5 feet, bears a profusion of very large, broad, handsome light green pods, and are so brittle that they snap without any strings.

**Pkt., 15c. Qt., 25c. Peck, \$1.25.**

**TALL GRAY SUGAR.**—Edible pods; cooked in the pods same as Snap Beans. **Pkt., 15c. Qt., 25c. Peck, \$1.50.**

**DWARF GRAY SUGAR.**—Edible pods; quite a favorite **Pkt., 15c. Qt., 25c.**

## FIELD PEAS.

SEE PAGE 33.

## PUMPKIN.

**PLANT** in May, in hills 8 feet apart. Allot 10 seeds to each hill, as bugs often destroy the young plants, but only allow 2 to 3 healthy plants to remain in each hill. They are usually planted in fields with Corn or Potatoes.

**TENNESSEE SWEET POTATO.**—(Crop failed.) A splendid pie and cooking Pumpkin. They grow pear-shaped, of medium size, slightly ribbed; skin is creamy white, lightly striped with green; flesh very thick, creamy white, dry and fine grained, keeping well until late in the spring. When cooked resembles Sweet Potatoes, but much more delicious in taste.

**CONNECTICUT FIELD.**—Very productive and grown for feeding stock. It is so well known that it does not need description. **Qt., 15c. Lb., 20c. 5 Lbs., 75c. Peck, 85c.**

**YELLOW CASHAW, OR CROOKNECK.**—Solid flesh, fine and sweet; keeps well. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**

## MARYLAND SWEET POTATO.

**THIS** is the best table Pumpkin in cultivation. In shape and size it somewhat resembles the Cashaw, but much more beautiful in color, being a handsome green and white stripe. The flesh is a rich yellow color, solid, fine-grained, very thick, flavor delicious.

**Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 65c.**

**LARGE CHEESE.**—Skin, reddish orange; flesh thick fine and sweet.

**Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.**



**MARYLAND SWEET POTATO.**

## RADISHES.

**LONG BLACK SPANISH.**—A large winter variety; one of the hardiest, with dark green leaves, firm in texture; keeping until spring. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**

**LARGE WHITE SPANISH, Winter.**—Fine keeping quality. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**

**ROUND WHITE SPANISH.**—A good fall or winter variety. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**

**ROUND BLACK SPANISH.**—A fine globe-shaped Radish, very popular with the Germans, known as Rettig; good quality. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**

**SCARLET OLIVE-SHAPED RADISH.** A showy half-long variety of pretty shape and bunches beautifully. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**



**SPANISH RADISH.**

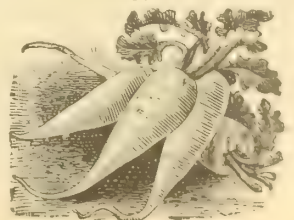
**WHITE STRASBURG.**—This is becoming one of the most popular summer sorts; it is of handsome tapering shape, skin pure white; very tender. **Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.**

**CHINESE ROSE WINTER.**—Remarkably fine for winter use. The best of the winter sorts. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**

**GIANT STUTTGART.**—A splendid new variety, of excellent quality; withstands summer heat. **Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.**

**CINCINNATI MARKET NEW GLASS RADISH.**—**Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 35c.**

**WHITE CHINESE WINTER, OR CELESTIAL.**—An excellent white winter Radish; a good keeper. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**



## RADISHES,

(CONTINUED).

FOR an early supply sow in hot-bed in February. For a successive supply sow from middle of March to September. Radishes thrive best in light, rich, sandy loam. The radish must make a rapid growth to be fit for use; it will then be crisp and tender and of a mild flavor. If it grows slowly it will be hard, fibrous and disagreeably pungent.

**WHITE DELICACY.**—This excellent Radish, introduced by us last year, has proved itself all that has been claimed for it. It has become a great favorite with the truckers and market gardeners around Baltimore. Succulent, crisp, delicate, smooth and clean. Among the earliest spring varieties; an improvement on the White Strasburg, which it resembles, being more evenly shaped and smaller-topped; grows into full size and perfection during the hottest months. **Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.**

**LARGE WHITE SUMMER, The Great Summer Radish.**—This is the most popular white radish for summer use with the gardeners around Baltimore, because of its handsome appearance and ready sale, and its well-known quality of being slow to run to seed.

**Pkt. 5c. Oz. 10c.**

**1-4 lb. 15c. Lb. 35c. 5 lbs. \$1.50.**

**GOLDEN GLOBE.**—An excellent summer radish. Slow to run to seed; shape globular bright yellow color, and mild flavor.

**Pkt. 5c.**

**Oz. 10c.**

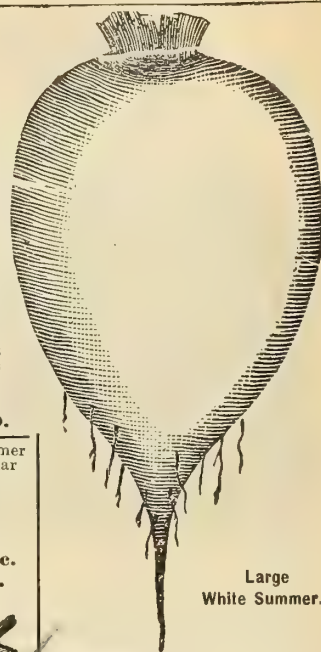
**1-4 lb. 15c.**

**Lb. 40c.**

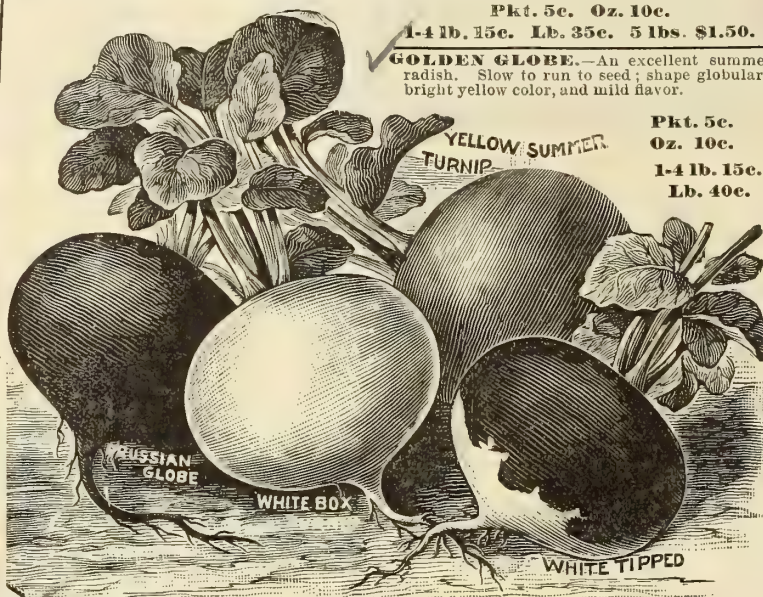
**YELLOW SUMMER TURNIP.**



White  
Delicacy.



Large  
White Summer.



**WHITE BOX.**—Perfectly round, smooth skin, pure white, free from any sharpness or bitterness. A remarkably quick grower, with small top. For forcing it is in every way superior. **Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.**

**EARLY WHITE TIPPED SCARLET.**—An excellent variety for forcing, with very short leaves; bright scarlet in color, with a white tip. **Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.**

**SALSIFY or Vegetable Oyster.**



**S**OW in early spring on light, rich soil in drills fourteen inches apart and thin the plants to six inches in the row. The roots will be ready for use in October, and will sustain no injury by being left in the ground during the winter.

**SANDWICH ISLAND MAMMOTH.**—This new Salsify grows fully twice the size of the old sort, and is superior in quality. Invaluable to market gardeners. **Pkt. 5c. Oz. 10c. 1-4 lb. 35c. Lb. \$1.25.**

**LARGE WHITE.**—The old well-known variety. **Pkt. 5c and 10c. 1-4 lb. 30c. Lb. \$1.00.**

**EARLY SCARLET, or PRUSSIAN GLOBE RADISH.**—This is the very best forcing variety; is sown largely by market gardeners and truckers, and they are delighted with it. It is of globular shape and brilliant, beautiful crimson color, short top, and will stand a large amount of heat without becoming pithy.

**Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.**

**WHITE VIENNA, or LADY FINGER.**—This is unquestionably the finest long white radish. Of most handsome shape; color a beautiful snow white. It is of very rapid growth, and remarkably crisp, brittle and tender, equally desirable for the market or home garden.

**Pkt. 5c. Oz. 10c.**

**1-4 lb. 15c. Lb. 40c.**

**LONG SCARLET.**—(American grown).—Very attractive and sells readily. Owing to its handsome shape, brilliant color and fine qualities, it commands a higher price and more ready sale than the imported Long Scarlet, as generally sold.

**Pkt. 5c. Oz. 10c.**

**1-4 lb. 15c. Lb. 35c.**

**Five lbs. \$1.50.**

**CHARTER.**—A good variety for private or market garden purposes. Stands long before going to seed, and is tender and crisp.

**Pkt. 5c. Oz. 10c.**

**1-4 lb. 20c. Lb. 50c.**



## RHUBARB, or PIE PLANT.

**S**OW in April in drills one inch deep and one foot apart. When plants are large enough, thin to ten inches apart, and cultivate. In the fall or following spring, transplant into deep, rich soil three feet apart each way.

**Pkt. 10c. Oz. 15c. 1-4 lb. 50c. Lb. \$1.50.**

ALL KINDS OF MACHINERY REPAIRED.



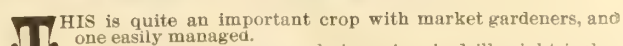
**EARLY SCARLET TURNIP.**—Turnip shaped, skin red; for forcing. **Pkt. 5c. 1-4 lb. 15c. Lb. 50c.**

**FRENCH BREAK-FAST.**—Of Oval form; color scarlet, white tipped. **Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 50c.**

**EARLIEST WHITE TURNIP.**—For forcing. This and the Red Turnip bunch together very nicely. **Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 50c.**

**TRIUMPH RADISH—Striped, Red and White.**—This is a beautiful and odd radish, which, when mixed in the bunch with Scarlet Radishes, makes a pleasing contrast. The radishes are globe shape and strikingly handsome, having bright scarlet stripes on a white ground. It is a splendid forcing variety, with short top, small leaves, and matures quickly. It is very ornamental for table use. **Pkt. 10c. Oz. 15c. 1-4 lb. 50c.**

## SPINACH.



For summer use, sow early in spring, in drills eight inches to one foot apart, covering the seed one inch deep. Select rich soil and manure liberally. A succession may be obtained by sowing at intervals of two weeks through the season. For very early spring use sow in August, and protect the plants through the winter by a thick covering of clean straw or some similar light covering. Spinach is used principally as greens for boiling, and is very highly esteemed for this purpose.

**LARGE ROUND-LEAVED VIROFLAY.**—A new sort, with very large, thick leaves.

**Pkt. 5c. 1-4 lb. 10c. Lb. 20c.**

**LONG STANDING.**—Best for spring sowing, as it is very slow to seed. The leaves are large, round, unusually thick, curled and of dark green color.

**Pkt. 5c. 1-4 lb. 10c. Lb. 20c. 5 lbs. 75c.**

**CURLED SAVOY, or BLOOMSDALE.**—The leaves are fine, curled, large, thick and heavy, and are produced in great numbers.

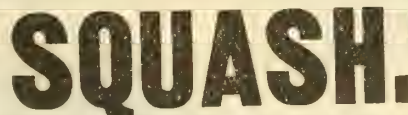
**Pkt. 5c. 1-4 lb. 10c. Lb. 20c. 5 lbs. 75c.**

**G. T. & CO'S EXTRA CURLED AMERICAN GROWN SAVOY SPINACH.**—This is grown specially for us, and is without exception the best type of Savoy Spinach in existence. It is beautifully curled and wrinkled, the leaves large, thick and heavy, produced in great numbers, and stands handling and transportation better than any other sort; in fact, we hardly think we could say too much about this valuable acquisition to the spinach family. Sold only in sealed bags. 7 1/2 lbs. 20c 5 lbs. 75c

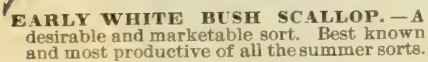
**Pkt. 5c. 1-4 lb. 10c. 1 lb. 20c. 5 lbs. 75c.**

**VICTORIA SPINACH.**—This new spinach comes to us with the highest recommendations from the growers. The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance, and of the finest quality, but the most remarkable feature that will make it of special value, both for market and family gardens is the fact that it is in prime condition from two weeks to three weeks after all other varieties of spinach have run to seed.

**Pkt. 5c. 1-4 lb. 10c. Lb. 20c.**



**T**HE Squashes are all quite tender, and therefore no progress can be made in starting them until the weather becomes somewhat warm and settled. Plant in hills five feet apart each way for the bush varieties, and eight feet for the running varieties; put eight seeds to the hill, but don't allow over three to stand.



Pkt. 5c. Oz. 10c. 1-4 lb. 15c.  
Lb. 30c. 10 lbs. \$2.50.



**Pkt. 5c. Oz. 10c. 1-4 lb. 20c.**  
**Lb. 50c.**

**BEST EVER BOUGHT.**

Please find money for seeds named.  
Hope your seeds will be as good as  
last year. They were the **best we**  
**ever bought.**

Mrs. J. W. THOMPSON,  
West Virginia.

1901.



**Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.**

**WINTER CROOK NECK.**—Flesh red, fine flavor; largely grown for winter use.

**Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.**

**HUBBARD.**—Fine and desirable for winter use.

**Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 40c.**

**BOSTON MARROW.**—A fall and winter variety, very popular in the Boston market. Of oval form, skin thin, when ripe, bright orange mottled with light cream color, flesh rich salmon yellow, fine grained, and for sweetness and excellence unsurpassed, but not as dry as the Hubbard. Fine for pies or baking.

Pkt. 5c. Oz. 10c.  $\frac{1}{2}$ -lb. 15c. Lb. 35c. 10 lbs. 300.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

## **TOMATO WORLD'S FAIR TOMATO.**

Get the Genuine in our Sealed Packages.

**THE GREAT CANNER.**



It is scarcely necessary to speak of this GREAT TOMATO among those who have used it, because they have become our best advertisers, constantly praising, and persuading others to use it. Our sales of seed of this sort have increased each year far beyond our expectation. It is without exception one of the best for Canners, Market Gardeners or private use, because of its solidity, symmetrical shape, handsome bright red color, uniformity of ripening and freedom from rot. Its shipping and keeping qualities are unexcelled. The gentleman who superintends the growing of this seed for us says: "I desire to call especial attention to this stock; it is particularly solid and of fine flavor, the fruit is good size, smooth and certainly attractive. I venture to say without fear of contradiction that your Tomato will bear off the palm for quality and flavor in the hands of impartial judges. Parties around here who saw some of the fruit said they had never seen any better Tomato." We could get any number of testimonials to bear us out in all we say about this excellent Tomato.

Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.50.  
4 Lbs. for \$5.00.

**NOTICE.**—Because of the well-known superior quality of this Splendid Tomato, and the increasing demand for the seed, other parties are cataloging a Tomato under the same name. In order to protect those who want the pure article WE GIVE NOTICE that we shall only sell the WORLD'S FAIR TOMATO in sealed packages.

**BEWARE OF CHEAP TOMATO SEEDS,** saved in canning houses, as it is sure to be a mixture of different sorts. We take special care in growing our Tomato Seeds. We have the seed stocks selected carefully each year, and the crops are inspected by us during the period of growth and maturity of fruit, and we are thus prepared to offer our customers Seed of the first quality.

**F**OR EARLY FRUIT sow the seed in March or April, in the hot-bed or in pots in a sunny exposure in the house. When the plants are about three or four inches high they should be set out four or five inches apart in another hot-bed or cold-frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden, and about the middle of May set the plants in the open ground, at a distance of four or five feet each way. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be had by sowing a few seeds in a shallow box or flower pot, and placing in a sunny window in the house. Cultivate thoroughly as long as the vines will permit.

Tomatoes will admit of training to stakes or trellis of various kinds, and the fruit is very much improved both in appearance and quality. This mode of cultivation is now quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake, using stakes five to seven feet in height, tying the plants up with wool or other strong, soft twine, pruning out quite freely as the vines advance in growth. By adopting this method the plants may be set much closer than in the ordinary way.

✓ **GOLDEN QUEEN, or SUNRISE.**—Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 75c.

✓ **PEAR-SHAPED RED.**—Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 75c.

✓ **DWARF CHAMPION.**—Plant grows stiff and upright, and may be planted closer than other varieties; bears throughout the entire season. The fruit resembles the Acme, and is smooth and attractive in appearance. Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 50c. Lb. \$1.50.

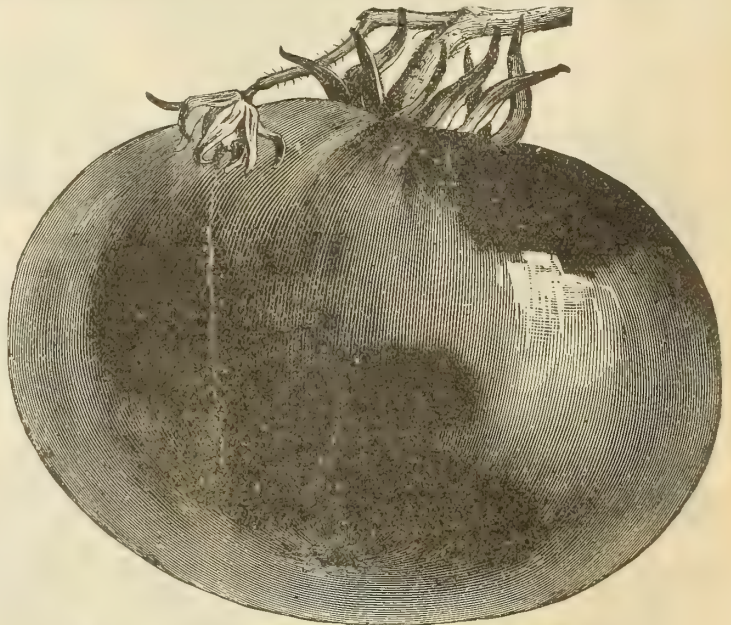
✓ **PONDEROSA.**—A remarkably large and heavy-fruited Tomato, deep red in color; flesh very thick, solid and of excellent quality. Pkts. 10c. Oz. 35c. 1-4 lb. \$1.00.

✓ **IMPERIAL.**—This new variety is highly recommended by leading growers. The originator claims it to be much earlier than any other; a beautiful, symmetrical and meaty Tomato. Pkts. 10c. Oz. 20c. 1-4 lb. 50c. Lb. \$1.50.

✓ **CRIMSON CUSHION.**—In shape and size this resembles the Ponderosa; color is deep red. Pkts. 10c. Oz. 35c. 1-4 lb. \$1.00.

✓ **PEAR-SHAPED YELLOW.**—Used for preserves and pickles. Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 60c.

✓ **YELLOW PLUM.**—Color bright yellow; excellent for preserving. Pkts. 5c. Oz. 25c. 1-4 lb. 75c.



## **B. B. TOMATO.**

✓ **BRINTON'S BEST.**—We have secured headquarters' stock of this excellent and popular new variety; it is one of the leading sorts for second early and late use; the fruit is large, handsome, and a splendid keeper. A great favorite with canners and truckers.

Pkts. 5c. and 10c. Oz. 20c. 1/4 lb. 50c. Lb. \$1.50. 4 Lbs., \$5.

✓ **LORRILARD.**—Best for greenhouse forcing; bright glossy red; very smooth. Pkt., 10c. Oz., 30c.

**A PLEASURE TO RECOMMEND THEM.**

I like your seeds very much, and it gives me great pleasure to recommend them.

March 21, 1901. Miss BETTIE HANSBROUGH, Maryland.



**BEAUTY.**

**FOR EARLY MARKET** and shipping this cannot be excelled, because of its solidity and toughness of skin. Color is a rich, glossy crimson, with a slight tinge of purple. It is well known and very largely used by our gardeners.

**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.**

**PRIZETAKER.**—A very desirable early sort, large, of handsome shape, and deep crimson color, with a slight tinge of purple.

**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.**

**PRIZEWINNER TOMATO.**—In this new sort we have the prince of market Tomatoes. In color somewhat resembling the Beauty, but much larger, very solid, ripens early, and with us was one of the best keepers we have seen. As an early Tomato it is first class, selling for the highest market price. It is also well adapted for a late crop. It is smooth and uniform in shape, and in quality it cannot be surpassed.

**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.**

## **THANKFUL FOR FINE CROP.**

I am thankful for the fine crop of vegetables that I grew from your reliable seeds, which causes me to send for more.

January 12, 1901. **WILLIAM CONRAD, Leatherwood, W. Va.**

## **STONE.**

**THE NEW STONE TOMATO.**—Ripens for main crop; is very large and of bright scarlet color, very smooth, with occasionally a specimen very slightly octagon-shaped, ripening evenly to the stem without a crack; exceedingly solid and firm-fleshed (as its name indicates). It is an excellent shipper; fine for canning; a good keeper; not subject to rot.

**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.**

## **SWEET, POT AND MEDICINAL HERBS.**

A little collection of Sweet Herbs is a treasure to the cook and nurse. A small place in the garden will give all the herbs needed in any family, and care should be taken to harvest them properly. This should be done on a dry day before they come into full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring in shallow drills, one foot apart, and when well up thin out or transplant to a proper distance.



### **MARJORAM.**

**Pkt., 5c. Oz., 20c. 1/4 Lb., 50c.**

### **CHERVIL.**

**Pkt., 5c. Oz., 25c.**

### **CHICKORY.**

**Pkt., 5c. Oz., 10c.**

**CORIANDE.—Pkts., 5c. and 10c. Oz., 15c.**

**DILL.—Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 65c.**

**LAVER.—Pkt., 5c. Oz., 20c.**

**FENNEL (Sweet).—Pkt., 5c. Oz., 10c. 1/4 Lb., 25c.**

**ROSEMARY.—An aromatic herb. Pkt., 5c. Oz., 30c.**

**SAGE (American).—Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 60c. Lb., \$2.00.**

**SUMMER SAVORY.—Pkts., 5c. and 10c. Oz., 15c.**

**THYME (Broad-leaved English).—Pkts., 5c. and 10c. Oz., 25c. 1/4 Lb., 75c.**

## **TOMATOES. --- CONTINUED.**

**ATLANTIC PRIZE (Select Stock).**—An excellent extra early red Tomato and while it does not run as regularly smooth as the Paragon, it ripens very evenly.

**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., \$1.50.**

**FAVORITE.**—This is a large, perfect-shaped Tomato. One of the best for either canning or market purposes.

**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.**

**ACME.**—Of superlative merit, early, medium size; shape slightly oval smooth, and of a pink-purplish color.

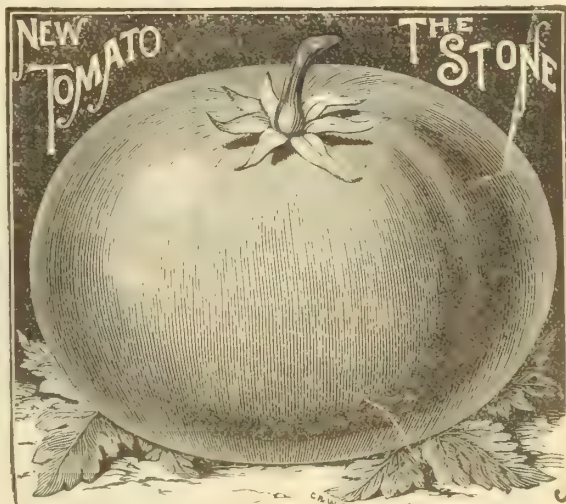
**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.**

**PARAGON.**—Here we have a variety—the perfection of a Tomato—large, solid, smooth and handsome, deep red color. It is superb. No praise can be too high.

**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.**

**ROYAL RED.**—A new Tomato, much resembling the Favorite in form and color. A good main crop variety.

**Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 40c. Lb., \$1.25.**



## **QUEEN TOMATO.**

Fruit somewhat resembles Paragon in appearance. This sort is well known and a favorite among canners, but it is not as deep red in color nor as weighty and solid as our World's Fair.

**Pkts., 5c. and 10c.**

**Oz., 20c.**

**1/4 Lb., 40c.**

**Lb., \$1.25.**



## **THE FINEST SEED I EVER SAW.**

The Tomato Seed I got of you last spring was the **finest I ever saw.** I got you several orders, and think I will get you more this season. I shall want as much as ten pounds of Tomato Seed later.

September 17, 1901.

**R. T. WHITE,**

Gulf Breeze, Fla.

## **TOBACCO.**

**WHITE BURLEY.**—Especially desirable for the manufacture of cigars, as the leaf of this kind readily absorbs the quality of manufacturing material.

**Pkt., 10c. Oz., 30c. 1/4 Lb., 90c. Lb., \$3.00.**

**CONNECTICUT SEED LEAF.**—An old well-known variety, best adapted to the Middle States.

**Pkt., 10c. Oz., 20c. 1/4 Lb., 60c. Lb., \$2.00.**

**HAVANA.**—Grown from seed imported from the district of Vuelta de Abajo.

**Pkt., 10c. Oz., 35c. 1/4 Lb., \$1.00.**

**MARYLAND.**—Pkt., 10c. Oz., 25c. Lb., \$3.00.

## **Turnip**

FOR early use, sow the small sorts as soon as the ground can be worked in the spring, in drills fourteen inches apart, the Rutabagas thirty inches. As the seed is very fine, it should be covered but slightly, excepting in very dry weather. Select light, and if possible, new soil, and manure with plaster and ashes, or phosphates. Should the young plants be troubled with insects, a sprinkling of slug shot will be beneficial. For fall and winter use the early kinds should be sown, from the middle of July to the middle of August; and the Rutabagas from the middle of June to the first of July, using from one to one and a half pounds of seed to the acre.

**LARGE EARLY RED TOP GLOBE.** A variety of recent introduction. Of large size, rapid growth, unusually attractive. Approved and admired by all who have seen it. A very much heavier producer than either of the Flat varieties and quite as early as the Flat Red Top. Very few market gardeners will have any other kind.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

**YELLOW ABERDEEN, or SCOTCH YELLOW.** This a highly approved CATTLE TURNIP, attaining a large size. It is solid, nutritious, a good keeper, and in every respect reliable.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

**LARGE AMBER, or YELLOW GLOBE.**—Grows to a large size, flesh yellow, firm and fine grained. Excellent for either table use or feeding stock.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

## **Ruta Bagas or Swedes.**

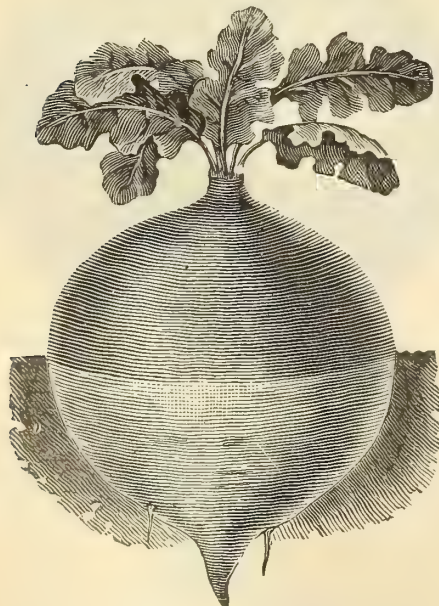
THE Swede Turnips, or Rutabagas, grow much larger in size, and are of greater value for stock feeding than ordinary turnips. Every farmer and stock raiser should grow Rutabagas and Stock Beets for winter feeding.

**GRIFFITH & TURNER CO.'S IMPROVED PURPLE TOP.**

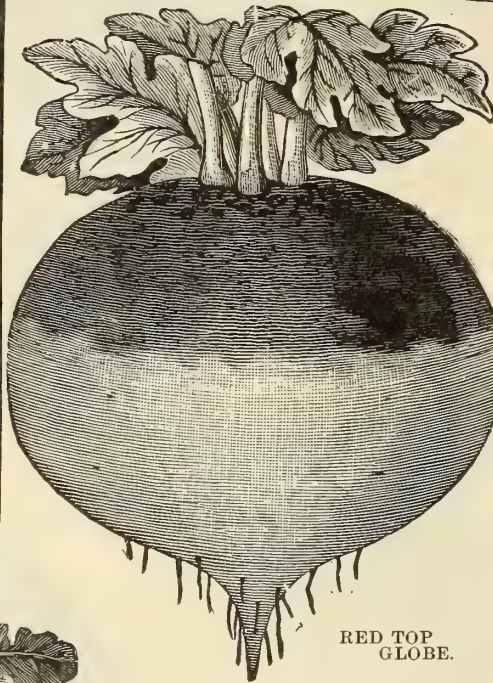
Yellow fleshed. A standard field variety for stock, and fine for family use. This splendid Swede is the hardest, most productive, and most nutritious variety in cultivation.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

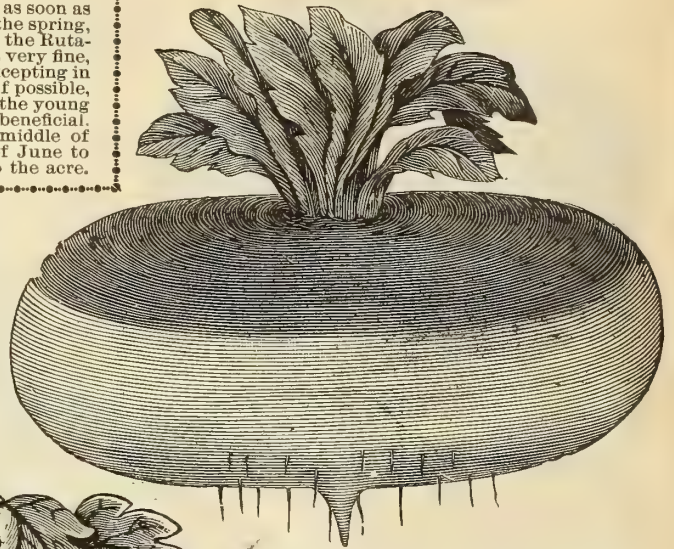
**YELLOW RUTABAGA.**—1-4 lb. 10c. Lb. 25c. (If Turnip is wanted by mail, add 10c. per lb. for postage.)



RUTA BAGA.



RED TOP  
GLOBE.



**EARLY RED TOP FLAT.**—Fine, sweet, mild; rapid grower; very early and popular.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

**EXTRA EARLY PURPLE TOP MILAN.**—The earliest and handsomest Flat Turnip in cultivation; none equal to it for spring sowing.

Pkt. 5c. 1-4 lb. 20c. Lb. 50c.

**WHITE FLAT (Strap Leaf).**—Differs from Red Top only in color.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

**EARLY WHITE EGG.**—A new variety of rapid growth; egg-shaped and white, as its name indicates.

Pkt. 5c. 1-4 lb. 15c. Lb. 40c.

**COW-HORN (Large Cropper).**—This variety is pure white, excepting a dash of green at the crown, and in shape is long like the carrot.

Oz. 5c. 1/4 lb. 15c. Lb. 35c.

**SEVEN TOP.**—For greens and salads. Used largely in the Southern States.

Pkt. 5c. 1-4 lb. 10c. Lb. 30c.

**SOUTHERN PRIZE.**—True strain of the favorite Turnip for Greens in Virginia and the Carolinas. Valued also for its bulb.

Oz. 5c. 1/4 lb. 10c. Lb. 30c.

## **Vegetable Roots.**

**ASPARAGUS ROOTS.**—(See page 1).

**ARTICHOKES (Jerusalem).**—Pk. \$1.00. Bu. \$2.50. For further information see page 1.

**HORSE RADISH ROOTS.**—Doz. 20c. Per 100, 75c. Per 1,000, \$6.00

**RHUBARB ROOTS.**—15c. each. Doz. \$1.50.

## **Plants.**

CASH WITH ORDER.

We will not ship Plants C. O. D. Shipments at purchaser's risk.

**CABBAGE.**—40c. per 100. 500 for \$1.25. \$2.00 for 1000.

**TOMATO.**—40c. per 100. 500 for \$1.25. \$1.75 for 1000.

**CELERY.**—50c. per 100. 500 for \$1.25. \$2.00 for 1000.

**EGG PLANTS, PEPPER, Etc.**

## SELECTED FARM SEEDS

### WHITE CORN.

#### IMPROVED WHITE PROLIFIC.

**THIS** Corn is specially adapted for strong ground, exceedingly prolific, very showy, large ears, deep grain, slightly wrinkled, frequently grows two ears to the stalk. Produces heavy fodder; decidedly the best paying Corn for strong land.

Peck, 50c. Bus., \$1.50. 4 Bus., \$5.50.

**MARYLAND WHITE.**—This is an excellent white Corn, grows good-sized ears, and makes splendid meal. Produces better crops on average land than most any other variety.

Peck, 50c. Bus., \$1.50. 4 Bus., \$5.50.

**BLUNT'S PROLIFIC.**—Remarkably prolific, producing from 3 to 5 good-sized ears on a stalk and growing very large fodder; is frequently used for ensilage.

Peck, 50c. Bus., \$1.50. 4 Bus., \$5.50.

**SOUTHERN SNOWFLAKE.**—A well-known and very popular Corn through the South. Suitable for meal or feeding purposes; the best white Corn for poor land.

Peck, 50c. Bus., \$1.50. 4 Bus., \$5.50.

**90-DAY CORN (Red Cob).**—This is an elegant Corn for truckers and market gardeners, as it is a good seller as green Corn. Is suitable for either early or late crop.

Qt., 10c. Peck, 50c. Bus., \$1.50.

**HICKORY KING WHITE CORN.**—It is of quick, strong growth and very early maturity, producing large ears having eight to ten rows of very large, broad, flat white dent grains, which are closely placed on a very slender cob. It yields fine crops on light soil, and is highly desirable where a pure white Corn is wanted for flour or meal.

Peck, 50c. Bus., \$1.75.

#### WHITE ENSILAGE CORN.

Specially adapted for Ensilage. Bus., \$1.50.

### YELLOW CORN.

#### IMPROVED MARYLAND YELLOW DENT.

**OUR** MARYLAND DENT CORN has taken first premium over all other field Corn wherever exhibited. The grains are unusually deep, ears large, stalks grow from 7 to 10 feet high, does not exhaust soil so much, and will stand drought better than a large stalk, and will yield 5 to 10 bushels per acre more than any other Corn generally planted.

Qt., 10c. Peck, 50c. Bus., \$1.50.  
4 Bus., \$5.50.

**EARLY LEAMING.**—An early selected variety of yellow Corn, small grain, weighty and productive. Highly esteemed in Maryland and Pennsylvania. One of the earliest varieties of yellow Corn in cultivation.

Qt., 10c. Peck, 50c. Bus., \$1.50.

**GOLDEN BEAUTY.**—A large, broad-grained yellow Corn, with ears of perfect shape and very small cob. The richness of color and the quality of the grain make it a very superior variety.

Qt., 10c. Peck, 50c. Bus., \$1.50.  
4 Bus., \$5.50.

**CHESTNUT GROVE YELLOW CORN.**—This Corn was grown on Chestnut Grove Farm, Baltimore County, and the average yield from the whole crop was eighteen and one-sixteenth barrels to the acre. The ears are large, deep, medium-sized grain, and of beautiful color.

Peck, 50c. Bus., \$1.75. 4 Bus., \$6.00.

**90-DAY YELLOW.**—This is an excellent, quick-growing variety. May be planted after peas are taken off, and make a good crop. Largely used by truckers around Baltimore.

Qt., 10c. Peck, 50c. Bus., \$1.50.

### POP CORN.

The best kind for popping.  
Lb., 10c. 4 Lbs., 25c. By mail, 20c. per Lb.

### SEED BUCKWHEAT.

**JAPANESE.**—The best sort. The plants are large and vigorous, maturing their seed early, and resisting drought and blight remarkably well, while the grain is much larger and at the same time has a thinner hull than the common or the Silver Hull. Owing to its branching character, only one-half the seed is required per acre, while the straw is much stiffer and stands up better. We recommend this especially for well-drained or sandy land, and the dry climate of the Western plains. **\$1.25 Per Bushel.**

### BARLEY.

**MANSHURY SPRING BARLEY.**—This is the most productive variety we know, and having grown it ourselves, can recommend it. By Express or Freight—Peck, 50c. Bus., \$1.50.

**NEW BEARLESS SPRING BARLEY.**—The earliest Barley known. If sown about March 20, will ripen about June 28. The straw is about the height of the common Barley, but better, and will stand up on any land. Sow as early as you can; frost does not hurt it. Being beardless, it handles as easy as oats, and makes a stronger feed. By Express or Freight—Peck, 50c. Bus., \$1.50. Bags, 18c.

### Seed Wheat and Rye.

We can offer choice stocks of Seed Wheat and Rye, re-cleaned, and at reasonable prices. Write us August 1st for special prices for fall sowing.

### OATS.

THIRTY-TWO POUNDS TO THE BUSHEL.

**CLYDESDALE.**—A very early and productive variety of extraordinary weight.

Per Bus. (32 Lbs.), \$1.25.

**WHITE RUSSIAN.**—Per Bus., \$1.00.

**WELCOME.**—An excellent variety, very productive and heavy. Per Bus. (32 Lbs.), \$1.00.

**GOOD SEED OATS.**—Unnamed varieties.  
At Market Prices.

### Winter Turf Oats.

Perfectly hardy in the Southern and Middle States, standing the winter nearly as well as wheat. Yields, on good land, from 50 to 70 bushels to the acre, of fine, heavy grain, weighing from 35 to 40 pounds to the measured bushel. Furnishes excellent fall, winter and early spring grazing, without injury to the grain crop. Write for prices 1st of October.

# POTATOES FOR SEED. German, Kartoffel.

**CO'S Plant Food** is especially adapted for Potatoes, as it promises growth and, at the same time, prevents disease. Plant as early in the spring as the ground can be dug thoroughly, fork in the rows 3 to 4 feet apart, and fork in the rows, covering in light, warm soil about 4 inches, and in cold, wet ground 3 inches deep; draw the earth to the plants as they advance in growth. If an early crop is desired, sprout the tubers, or cut Potatoes, in a light, warm room, from 4 to 6 weeks before planting; then lift carefully and plant out. By this process sprouts are obtained that, as soon as planted out in the open ground, will send out shoots and grow more rapidly than if treated in the ordinary way. The soil should be constantly stirred through the season to prevent the surface from baking.

**G. & T. CO'S EXTRA EARLY PRIZE.**—This Potato is in all respects a very superior early sort. It proved to be the earliest and most productive of any we tried; also found its eating qualities first class. We consider it the best early Potato on the market today.  
**Peck, 50c. Bus., \$1.75. Bbl., \$4.50.**

**BLISS TRIUMPH.**—This beautiful variety combines the wonderful productiveness of the Peerless, with all the good qualities of the Early Rose; is much more productive, and matures its crop at least a week in advance of the Early Rose.  
**Peck, 50c. Bus., \$1.75. Bbl., \$4.50.**

**MAINE, OR HOULTON EARLY ROSE.**—The Early Rose led the list for over 30 years, and is today one of the best early market Potatoes. Our stock of this is grown on new land, near Houlton, Maine, is rugged and pure, and produces as good crops as those which made the Early Rose famous in its early years. Remember that this stock is not to be confounded with the old run-out Rose, grown in other sections.

**NEW YORK EARLY ROSE.**—A leading variety for earliness, quality and productiveness.

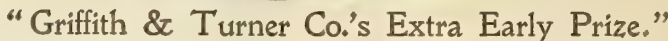
**IRISH COBBLER (A New Sort).**—Very productive, matures ahead of the Early Ohio. Shape chunky, eyes strong and deeply set, skin netted, flesh white, quality very superior. The writer's attention was called to this variety while on a tour of inspection, and we concluded to place it in our collection. We believe it is something extra. Don't fail to get it.

**Peck, 60c. Bus., \$1.75. Bbl., \$5.00.**

**EARLY OHIO.**—This is very early and productive, of fine quality, and an excellent keeper.

**EARLY NORTHER.**—This superb Potato originated at Caribou, Maine. It resembles the Early Rose in shape and color, matures earlier than the Rose, and is much more productive. Under our own observation the past season it yielded more than the Rose, matured earlier, and was in all respects superior.

<b>Peck, 50c.</b>	<b>Bus., \$1.50.</b>	<b>Bbl., \$4.25.</b>
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**RURAL NEW YORKER, No. 2.**—A valuable variety of large size, very smooth and a great cropper; in quality unexcelled. This variety is yearly becoming more popular as the best late long keeper, and we recommend it highly.

<b>Peck, 50c.</b>	<b>Bus., \$1.50.</b>	<b>Bbl., \$4.00.</b>
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**BURBANK.**—This is an old and reliable variety, and is A No. 1 for a late, large-yielding, good-keeping Potato, and for table use, after January 1st, is one of the best.

<b>Peck, 50c.</b>	<b>Bus., \$1.50.</b>	<b>Bbl., \$4.00.</b>
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**NEW QUEEN.**—A grand Potato of recent introduction, closely resembling Beauty of Hebron in appearance, color, size and shape, but is 7 to 10 days earlier, and a heavy yielder. Our seed of this variety comes from Maine, where it originated, and is pure and true to name.

<b>Peck, 60c.</b>	<b>Bus., \$1.50.</b>	<b>Bbl., \$4.25.</b>
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PRICES SUBJECT TO MARKET CHANGES.

**Choice Jersey Sweets at Market Prices During Season.**  
**Write Us for Quotations.**

THE advantage derived from second seed over first crop is that they do not sprout or shrivel, or lose any of their vigor through the winter, having been checked by frost before maturity; they lie dormant, ready to grow vigorously when planted. They rarely send up more than one sprout; this may divide into several branches; the consequence is all the growth goes into the tubers. They do not form as many to the hill as matured seed, and they grow full marketable size 12 to 15 days earlier than ordinary seed.

The following varieties are grown from second crop seed:

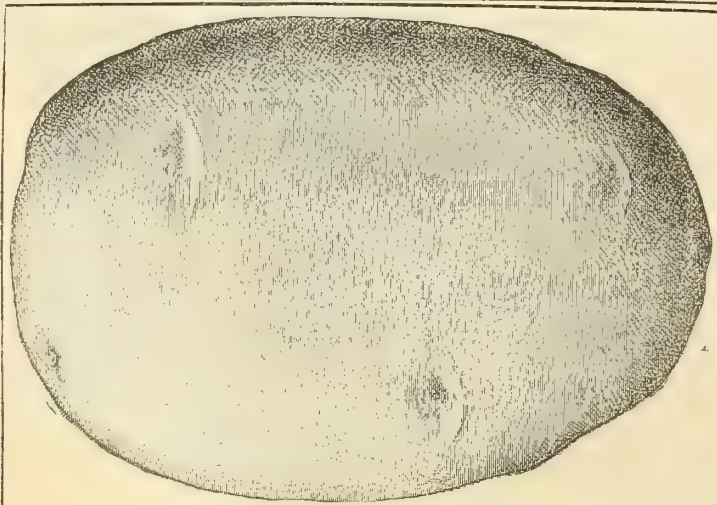
**CROWN JEWEL.**—This is a seedling of the Early Ohio. Skin white, with a flesh tint; meat white and floury, cooking evenly through. A very early bearer, and its keeping qualities are equal to the best.

**EARLY ROSE.**—Peck, 60c. Bus., \$1.50. Bbl., \$4.00.

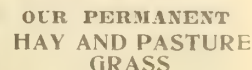
**EARLY PURITAN.**—Pk., 50c. Bus., \$1.50. Bbl., \$3.75.

**BURPEE'S EARLY.**-Pk., 50c. Bus., \$1.50. Bbl., \$3.75.

**For large quantities write for Special Prices.**



ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



**I**S prepared especially to meet the demand for a mixture that will be desirable either for cutting for hay or to use for pasture, and contains such grasses as are best adapted for these purposes. In ordering, please state whether you want a mixture for upland or low ground.

**MIXTURE FOR UP-  
LAND.**—14 pounds to the  
bushel, 2 bushels to the  
acre.

**Per Bus., \$2.25. 10 Bus.  
for \$20.00.**

**MIXTURE FOR LOW-  
LAND.**—14 pounds to the  
bushel. 2 bushels to the  
acre.

Per Bus., \$2.25, 10  
Buses for \$20.00.

GRASS SEED.

**CREeping BENT GRASS** (*Agrotis Stolonifera*).—Excellent for lawns, succeeds well in all conditions, makes a low velvety growth. Lb., 25c. Bus. (20 Lbs.), \$4.00.

**ITALIAN RYE GRASS.**—Is an annual and should be sown every year, at the rate of 25 to 30 pounds per acre. It can be sown during August, September or October. It should be mown as early as the blossoms appear, or the hay will not be so good, and it can be cut every month from early spring if the soil and weather are suitable.

Lb., 15c.	8 Lbs., \$1.00.
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**ENGLISH RYE GRASS** (*Lolium Perenne*).—This makes a quick growth very early in spring, and is adapted for cool, moist locations. 24 pounds to the bushel; 3 bushels to the acre.  
**Lb., 25c., postpaid. Bus. of 22 Lbs., \$2.00.**

**MEADOW FOXTAIL (*Alopecurus Pratensis*).**—Closely resembles Timothy in growth, but has a soft feathery head. It is a valuable pasture grass by reason of its rapid growth. About 7 pounds to the bushel; 3 bushels to the acre.

**Lb., 40c., postpaid. Bus., \$2.00.**

**CRESTED DOG'S TAIL (*Cynosurus Cristatus*).—**Should enter in moderate quantity in permanent pasture mixtures, and in larger quantities for lawns, as it possesses in a marked degree all the desirable features of a good lawn grass.

<b>Lb., 25c.</b>	<b>10 Lbs., \$2.00.</b>
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**Lb., 25c. 10 Lbs., \$2.00.**

**MEADOW FESCUE, RANDALL, or ENGLISH BLUE GRASS** (*Festuca Pratensis*).—This should be very much more largely used than at present. It makes a very good hay and pasturage grass, and is particularly valuable for fall and winter pasturage. It is a rich green throughout the winter. It is very popular in Southwest Virginia, East Tennessee and the mountainous districts of North Carolina, where it is very highly appreciated as a large-yielding, nutritious pasturage and hay grass. It succeeds well in nearly all sections of the South, and should be very largely used in pasturage and hay mixtures, being specially suitable for sowing with Red Top and Timothy for hay, or with these and Orchard and Tall Meadow Oat for permanent pasturage. Sow either in the spring or fall at the rate of 2 bushels to the acre. Thrives better under trees than other grasses.

**Lb., 20c. 100 Lbs., \$15.00.**

**AWNLESS BROME GRASS (Bromus Inermis).**—Comparatively a new grass in this country, but in Hungary me, it is the chief meadow grass of the low coarse, resembling Orchard Grass; it roots deeply, and stands protracted thrive upon soils too poor and dry to grow sedge, hence is valuable for such and hay, and especially in mixtures as, however, been talked up very much especially in the West, and is worthy at the rate of from 2 to 3 bushels per acre, either in the spring or fall.

**Lb., 20c. Bus. of 14 Lbs., about \$2.25.**

**KENTUCKY BLUE GRASS.**—It is rather sensitive to heat, but not so to cold weather, and on this account does its best in the fall, winter and spring. It grows slowly at first, forms a very compact turf, making a fine pasturage when once established. It is much the best, however, to combine other grasses with it, for either lawn or pasturage. Sow in the spring or fall. **Fancy, triple-cleaned, Bus. (14 Lbs.), \$1.60. 5 Bus., \$7.50.**

**NOTICE.**—Beware of cheap Canada Blue Grass, as it is full of thistle.

**TALL MEADOW OAT GRASS (Avena Elatior).**—Most valuable for pastures on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle, early and late. For hay it may be cut twice a year, and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. Height, 2 to 4 feet. 50 pounds to the acre. (13 pounds to bushel). **Lb., 25c. 100 Lbs., \$18.00.**

### RED TOP, OR HERD'S GRASS

**(Agrostis Vulgaris).** — This grass makes excellent pasturage and good crop of fine quality hay, and succeeds on a greater variety of soils than any other grass in general use, giving very good results on light soils and the very best results on heavier, moist, or low ground soils. It is rather late in starting in the spring, and matures its crop at the same time as Timothy. Is excellently adapted for seeding with Timothy for hay, and furnishes excellent pasturage afterwards. When it gets well established it will gradually supplant other grasses. The grades of the seed usually sold are the grade in the chaff, known as Prime, and the Fancy Clean seed, which is the seed cleaned from the chaff and all impurities. We would strongly advise our customers to sow the Fancy Clean seed in preference to the Prime, or the seed in the chaff, as it will give much better and more satisfactory results. We can also furnish the Choice and Prime Fancy Red Top as usually sold. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean Seed, or 3 to 5 bushels of the Prime.

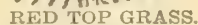
**Red Top in the Chaff, per Bus.,**  
**Heavy Seed, per Bus. of 10 Lbs., 75c.**  
**c. Lb.**

**SHEEP FESCUE (*Festuca Ovina*).**—It is a densely tufted perennial grass for dry, sandy and rocky soil where scarcely any other species will grow. It roots deeply, and forms a dense, short tuft, suitable for lawns and pleasure grounds, where the soil is sandy. It affords wholesome food for all cattle, especially sheep. Specially recommended for pasture mixtures. Sow about 25 pounds per acre. **Lb. 20c. Bus. of 14 Lbs., \$2.00.**

**WOOD MEADOW (Poa Nemoralis).** — An early nutritive grass; thrives better under trees than other grasses. Is also an excellent pasture grass. **Lb., 30c. 10 Lbs., \$2.25.**

**RHODE ISLAND BENT GRASS** (*Agrotis Canina*).—A very fine variety for lawns. **Lb., 25c.**

**SWEET VERNAL** (*Anthem Odoratum*).—Emits an agreeable odor, which it imparts to the hay. **Lb., 35c.**



## Grasses and Clovers.



ORCHARD GRASS.

### ORCHARD GRASS.

(*Dactylis Glomerata*.)

ONE of the best and most reliable grasses for the Middle and Southern States, either for hay or pasturage. It succeeds well on nearly all soils, but does best on upland, loamy or moderately stiff soils. It starts early in the spring and continues well into winter. It is of quick growth and relished by stock, especially when young, and bears close grazing. It makes excellent hay, and gives the very best results mixed and grown with Tall Meadow Oat Grass and Red Clover, as suggested under the head of Tall Meadow Oat Grass. It should be cut when in blossom, as the hay is injured if the seed is allowed to ripen. It can be sown in the spring or fall either with grain or alone. Sow two bushels per acre if sown alone, or with Red Clover, one and one-half bushels of Orchard and seven pounds of Clover are the quantities usually sown. Price fluctuates.

Per Bus. of 14 Lbs., \$1.50.

### MILLET.

GERMAN, OR GOLDEN MILLET.

AN improved variety, medium early, growing three to five feet high. The heads are closely condensed, though the spikes are very numerous. This is the best and most productive Millet to grow. Weight, per bushel, 50 pounds. Market prices.

**HUNGARIAN MILLET (*Panicum Germanicum*).**—Early and productive, growing 2 to 3 feet high, with an abundance of foliage and slender heads. Weight, per bushel of 48 pounds. Market prices.

**COMMON MILLET.**—Weight, per bushel, 50 pounds.

**IMPORTANT.**—It does not pay the farmer to buy cheap Grass Seeds, as it is liable to be either old seed, or full of weeds.

**TIMOTHY (*Phleum Pratense*).**

This makes one of the most popular, nutritious and salable of hay grasses. It is best adapted for sowing on clay or heavy loams, low lands or in mountainous districts, although it will do well on any good stiff loamy soils, provided moisture is abundant. It does not succeed nearly as well, however, as Orchard, Tall Meadow Oat or Herd's Grass on soils of a sandy or light loamy texture, and is not of as much value for pasturage as other grasses. The stand of Timothy will also be injured if grazed or cut too closely. The yield of hay on good ground is from one and a half to three tons per acre. The best clover to sow with Timothy is either the Sapling or Alsike, as they mature and ripen with Timothy. Market prices.

## CLOVER

### RECLEANED RED CLOVER.

WE take great pains to supply an extra quality of Red Clover at a reasonable price. Farmers should not sow a poor quality of Clover Seed. We have, however, cheaper grades for those who wish them. Market prices.

### ALSIKE OR SWEDISH CLOVER.

**HARDEST** of all the Clovers, and on rich, moist soils yields an enormous quantity of hay or pasturage. Valuable for sowing with other Clovers or Grasses, as it forms a thick bottom and increases the yield of hay. Sow, either fall or spring, 6 pounds per acre when used alone.

Lb., 18c. By mail, 30c. 6 Lbs., \$1.00.

### Lucerne Clover.

One of the most valuable among Clovers, resisting drought and remaining green when other sorts are dried up. Sow on rich, moist loam or sandy soil. Prepare the land thoroughly and sow, either fall or spring, 15 pounds to the acre.

Pound . . . . . 15c.  
By mail . . . . . 25c.  
7 Pounds . . . . . \$1.00

IN QUANTITIES AT MARKET PRICES.



LUCERNE.

### FINEST IN THE COUNTRY.

Last June you sent me four bushels of German Millet, and I now have five acres of it. **Everyone says it is the finest in the country.** It is in a low meadow, and the dry weather does not seem to have any effect upon it.

F. A. WELTY,  
Emmitsburg, Md.

## SEED.

### WHITE DUTCH CLOVER.

Thrives most everywhere. The best to sow with lawn grass and valuable to sow with blue grass for permanent pastures.

1/4 Pound . . . . . 10c.  
Pound . . . . . 25c.  
By mail, Pound . . . . . 35c.  
100 Pounds . . . . . \$21.00

### CRIMSON CLOVER.

SEE PAGE 33.

## Grass and Clover Seed Mixtures.

**FOR MOWING FOR HAY,  
BUT CAN BE GRAZED.**

**MIXTURE No. 1.**

**For Moist Bottom Land.**

Composed of the following Grasses :

Red Top.	Meadow Fescue.
Timothy.	Red Clover.
Alsike Clover.	Kentucky Blue Grass.

Sow 20 pounds to the acre.

**Price—\$11.00 Per 100 Pounds.**

**MIXTURE No. 2.**

**For Light, Dry, Gravelly, or Sandy Soils.**

Composed of the following Grasses :

Orchard Grass.	Perennial Rye Grass.
Tall Meadow Oat Grass.	Hungarian Brome Grass.
Red Clover.	Fancy Red Top.

Meadow Fescue.

Sow 35 pounds to the acre.

**Price—\$12.00 Per 100 Pounds.**

**MIXTURE No. 3.**

**For Good Loam Soil.**

Composed of the following Grasses :

Meadow Foxtail.	Orchard Grass.
Tall Meadow Oat Grass.	Perennial Rye Grass.
Meadow Fescue.	Kentucky Blue Grass.

Red Clover.

Sow 35 pounds to the acre.

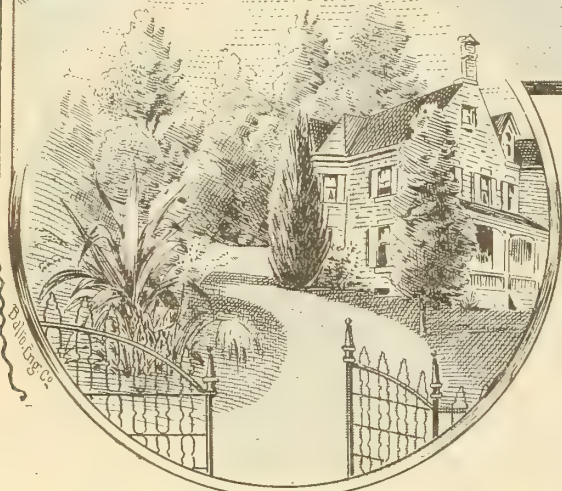
**Price—\$12.00 Per 100 Pounds.**



MILLET.

## 33

## **THE LAWN**



**OUR LAWN GRASS SHOULD NOT BE CONFOUNDED WITH THE CHEAP, CHAFFY GRASSES OFFERED AT LESS PRICES.**

### **Park Lawn Grass.**

**T**HIS mixture does not contain so much of the high-priced grasses as our Evergreen Lawn Grass, but it is superior to many of the cheap grades offered, and will make a very nice lawn.

Quart	20c.
Peck	\$1.00
Bus. of 16 Lbs.	3.00

### **PREPARATION AND CARE OF LAWNS.**

**T**HE ground should be thoroughly drained and well enriched before sowing. Work the soil until well pulverized, and have the surface as level as possible, so that the grass may present an even appearance. After sowing, cover seed lightly and follow with roller. The best results are obtained by using plenty of seed, 4 bushels to the acre being about the right quantity. One quart is sufficient for 300 square feet. Let the grass obtain a good start before cutting, and then it should be trimmed with a lawn mower about every 10 days. Old lawns may be improved and renewed by the application of fertilizers and seeding about half the quantity of seed required for new lawns. This should be done whenever they show any thin places.

### **Griffith & Turner Co.'s Evergreen Lawn Grass.**

**T**HIS is a first-class mixture prepared by ourselves, and containing nothing but choice seeds—just the thing for tennis, croquet and ball grounds, remaining green and fresh during the hot summer months. Widely known and extensively used on the finest private and public grounds around Baltimore, Washington and elsewhere with the most satisfactory results. Nothing adds to the attractiveness of suburban homes more than a well-kept, closely-cut, velvety lawn; hence the importance of securing the best seeds. This we offer in our selected Evergreen Lawn Mixture, containing different varieties that grow and flourish at different months of the year, so that a rich, green, velvety lawn is constantly maintained. It is adapted to the small grass plots of city homes. **Pint, 10c. Quart, 20c. 1/2 Peck, 65c. Peck, \$1.10. Bus. of 20 Lbs., \$4.**

### **WHITE DUTCH CLOVER.**

*(Trifolium Repens.)*

**T**HE best variety for lawns, as it forms a close herbage and remains green throughout the season. It is also valuable when mixed with grass seeds for pasture. Sow in spring at the rate of 6 pounds per acre when sown alone, half the quantity when sown with other grasses.

**Pound, 25c. 10 Pounds, \$2.25.**



## **RUBBER HOSE.**

GRIFFITH & TURNER CO.'S EXTRA—	Per Foot.
3-ply, 3/4-inch, in 25 and 50-foot lengths.	12c.
ORIOLE—	
3-ply, 3/4-inch, in 25 and 50-foot lengths.	10c.
TRIX—	
3-ply, 3/4-inch, in 25 and 50-foot lengths.	08c.
CREST—	
4-ply, 3/4-inch, in 25 and 50-foot lengths.	15c.
GRIFFITH—	
5-ply, 3/4-inch, in 25 and 50-foot lengths.	16c.

See also Page 118.

### **GEM HOSE NOZZLES, 35c.**

**The Best In Use.**

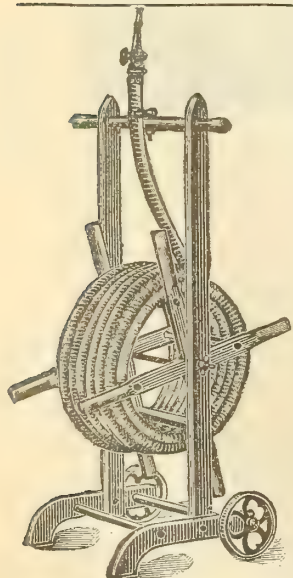
For throwing fine or coarse spray or straight stream.

Hose Couplers (Brass) . . . . . 15c. per pair.  
 Mender Tubes . . . . . 5c. each, 40c. dozen.  
 Hose Clamp (Sherman) . . . . . 5c. each, 50c. dozen.

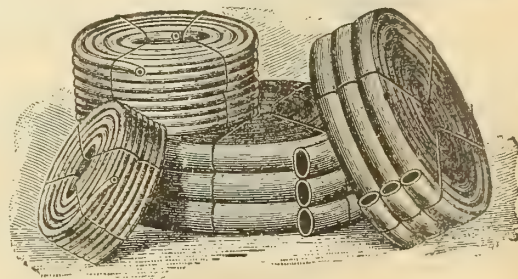
**For Lawn Sprinklers, See Page 35.**

### **HOSE REELS.**

Fountain . . . . . \$1.00  
 Sylph . . . . . 2.50



**HOSE REELS.**





## Griffith & Turner Co.'s Golf Link Mixture.

Bus., \$2.50. 10 Bus. Lots, \$2.25.

**T**HERE being a growing demand for a grass mixture suitable for golf and cricket grounds, we have made a study of the grasses best adapted to these purposes, and have them mixed in proper proportions to give desired results.

Many of the public and private grounds around Baltimore and other places have been sown with our mixtures, and the grounds have won the admiration of thousands of visitors.

As it is highly essential that golf and cricket grounds should be mowed closer than ordinary lawns, we have illustrated and described our **GOLF MOWER** (see page 73), designed especially for the purpose. It insures a fine, close, even cut.

### ECLIPSE SPRINKLER.

This is the cheapest and one of the most effective sprinklers made. The distribution of water is perfect.

Price, 20c. By mail, 30c.

### PLANT SPRINKLERS, ATOMIZERS AND SYRINGES.

SEE PAGES 56 and 71.

Putting Green Mixture, Peck, \$1.10. Bus., \$4.00.

### "Terrace Sod" Mixture.

**A** SPECIAL mixture of grasses best suited for sowing on terraces, railroad embankments and side hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, velvety green turf throughout the season.

PRICE—Qt., 35c. Peck, \$2.00. Bus. of 20 Lbs., \$7.00.

If by mail, add at the rate of 5c. Qt., for postage.

### LYONS' AUTOMATIC LAWN FEEDER.

**I**T is a neat device attached to the hose nozzle, which dissolves a stick of concentrated fertilizer, diffusing it through as much water as will pass through garden hose in about one hour. Complete outfit, consisting of one holder and 12 of the food cartridges, prepaid, to any address on receipt of 75c.

**EXTRA FOOD CARTRIDGES**, in boxes of 24, for 50c., or, prepaid, for 75c.

### Hose and Hose Reels.

SEE PAGES 34 and 118.

## Twemlow's Old English Glazing Putty.

SEMI-LIQUID.

16-pound Can (1 Gallon capacity), \$1.25.

50-pound and 80 pound Kits, \$3.75 and \$6.00.

For bedding glass in sash and filling cracks or seams in roof joints or frames of greenhouses or hotbeds.

### RUSSIAN SUNFLOWER.

Growing to double the size of the common Sunflower, and the yield of seed is twice as great. It is highly recommended for poultry—the best egg-producing food known. The leaves make splendid fodder, much relished by all kinds of stock.

Lb., 10c.; by mail, 18c.  
4 Lbs., 25c.  
10 Lbs., 50c.



## Crescent Lawn Sprinkler

WORKS BEAUTIFULLY.

**T**HIS Sprinkler is compactly and strongly made with **phosphor bronze bearing**, and will cover a surface 48 feet in diameter. As it has a free and unobstructed channel, there is no danger of clogging with dirty water, and therefore it fills the requirements of users of such articles better than the more expensive and larger sprinklers, and will accomplish the same results. The top and arms are brass, full nickel-plated standard; the base and legs are iron, handsomely japanned.

### PRICE.

12 inches high . . .	3 arms.
\$1.50.	
24 inches high . . .	4 arms.
\$2.00.	
36 inches high . . .	4 arms.
\$2.50.	

### FLAX SEED.

Lb., 10c. 5 Lbs., 25c.  
Bus., \$2.00.

### FLAX SEED MEAL.

For horses and cattle.  
Lb., 10c. 6 Lbs., 25c.  
In quantities at market prices.



## G. & T. Co's SELECTED FLOWER SEEDS

ORDER BY NUMBER.

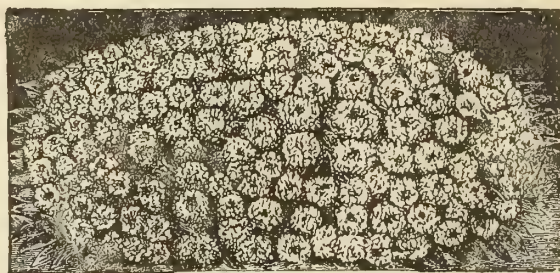
Ten 5c. Papers for 25c., or Four 10c. Papers for 25c.

0. **ABUTILON**.—Fine mixed. **Packet, 10c.**

1. **AGERATUM, MIXED**.—Suitable for beds, and especially nice for cut flowers and bouquets. **Packet, 5c.**



ALYSSUM.



ALYSSUM (TOM THUMB).

11. **ALYSSUM (Tom Thumb)**.—Of dwarf, compact habit, each plant covering a circle from 15 to 30 inches. It will bloom when small and remain covered with bloom from spring to autumn. **Oz. 40c. Packet, 5c.**

10. **ALYSSUM**.—The Sweet Alyssum has pretty little white flowers, useful in making small bouquets, and its fragrance, while sufficiently pronounced, is very delicate. The Alyssum grows freely from seed; blooms the whole season. **Oz. 25c. Packet, 5c.**

20. **AMARANTHUS, MIXED**.—Showy blooming plants, with long racemes of curious looking flowers and brilliant foliage; half hardy annuals. **Packet, 5c.**

21. **AMARANTHUS, TRI-COLOR (Joseph's Coat)**.—Red, Yellow and Green foliage; 2 feet. **Packet, 5c.**

22. **AMARANTHUS CAUDATUS (Love Lies Bleeding)**.—Graceful and handsome flowers of blood red hue. **Packet, 5c.**

23. **AMPELOPSIS VEITCHII, Miniature Virginia Creeper, Boston or Japanese Ivy**.—A hardy perennial climber from Japan, with olive-green leaves, which turn to scarlet in the autumn. The best and most popular climber for covering brick or stone walls. **Packet, 5c. Oz., 25c.**

24. **ANTIRRHINUM, DOUBLE MIXED**.—One of our most useful and showy border plants. The recently improved varieties have large, finely shaped flowers of brilliant colors. Perennial. **Packet, 5c.**

25. **ASTER**.—Choice mixed varieties. Well-known and beautiful flowers; should be in every garden. **Packet, 5c.**

26. **ASTER, GERMAN**.—All colors and shades of the best German sorts. Sow Seed early and transplant to rich soil. **Packet, 5c.**

27. **ASTER, TRUFFAUT'S PERFECTION**.—A very favorite class; thrifty, upright growers; flowers large, almost perfectly round, with incurved petals. The florist's preference; 1½ to 2 feet. **Packet, 10c.**

28. **PRINCESS SNOWBALL**.—This is an entirely distinct variety of Aster. The flowers are pure white, and are formed of short, thickly set imbricated petals, there being about 25 to 30 on a plant. **Packet, 10c.**

29. **MIGNON ASTER**.—A splendid new class of Asters. The plants are semi-dwarf and bear in profusion flowers of a very double nature, the petals overlapping each other. **Packet, 10c.**

30. **VICTORIA ASTER**.—The most beautiful of all Asters, bearing flowers of all colors and shades; the colors in-

clude many extremely delicate and gorgeous shades. Very double and four inches across; height 15 to 18 inches. **Packet, 10c.**

31. **COMET ASTER**.—This class of Asters have long, slender and curled petals, forming loose yet dense flowers of semi-globe shape, 3½ to 4½ inches in diameter, which resemble the Japanese Chrysanthemum. **Packet, 10c.**

32. **DWARF CHRYSANTHEMUM FLOWERED ASTER**.—Grow 9 inches high; surpass all the dwarf varieties in size of flowers. **Packet, 10c.**



PRINCESS SNOWBALL ASTER.



COMET ASTER.



LOVE LIES BLEEDING.



VICTORIA ASTER.

LAWN MOWERS REPAIRED.

## **FLOWER SEEDS THAT GROW.**

**TEN 5c. PAPERS MAILED FOR 25c., or FOUR 10c. PAPERS FOR 25c.**

**33. SEMPLE'S BRANCHING ASTER.**  
 A choice strain of American-grown Asters, which has, by careful selection, been brought to a high degree of excellence. **Mixed Colors, 10c.**

**34. SEMPLE'S BRANCHING ASTER (White).**—Very choice. **Packet, 10c.**

**35. BACHELOR'S BUTTON, or BLUE BOTTLE (Centaurea Cyanus).**—A very old favorite garden annual, with handsome flowers of various colors. It does best if sown in a hot-bed; half-hardy annuals; two feet. **Packet, 5c.**

**40. DOUBLE BALSAMS, CAMELIA FLOWERED (Lady Slipper, or Forget-Me-Not).**—The well-known Balsams are one of the finest summer blooming annuals, free bloomers and highly colored. By transplanting them once or twice, the flowers are apt to be more double. **Packet, 5c.**

**41. BALSAM, PERFECTION WHITE.**  
 This resembles the mixed Balsams in shape, but the flowers are of a pure white, and is the variety usually grown by florists. **Packet, 10c.**

**45. CANDYTUFT MIXED.**—Well-known favorite, hardy annuals; very pretty in beds or masses; useful for bouquets. Seeds may be sown in the fall for early flowering. **Packet, 5c.**

**46. CANDYTUFT, WHITE.**—Treated and used same as the mixed. **Packet, 5c.**

**50. CALCEOLARIA DWARF.**—This is a magnificent ornamental plant for green-house or conservatory, bearing in profusion pocket-shaped flowers of all colors, spotted and blotched in the most fanciful fashion. **Packet, 25c.**

**53. CALENDULA, DOUBLE.**—Very profuse dwarf bushy annuals, blooming continuously and profusely until frost; of easy culture, and suitable for summer garden or for growing in pots in winter. **Packet, 5c.**

**55. CANNA, MIXED (Extra Choice).**—The Cannas are desirable not only for the beauty of their spikes of scarlet flowers, but for their highly ornamental leaves. They make superb beds for the lawn. Soak the seeds thoroughly before planting, and keep in a warm spot. Very slow to germinate. **Packet, 5c.**

**60. CANTERBURY BELLS, SINGLE MIXED (Campanula).**—A highly attractive class of plants, combining richness of color with stately growth; valuable for beds and borders. Sow early, and transplant in light, rich soil. **Packet, 5c.**

**61. CANTERBURY BELLS, DOUBLE MIXED.** **Packet, 5c.**

**CARNATION.**—(See Pinks).

**CASTOR OIL BEAN SEE RICINUS.**



**33.—SEMPLE'S BRANCHING.**



**85. COCKSCOMB.**



**76.—CINERARIA HYBRIDA.**



**40.—DOUBLE BALSAMS.**

**69. CENTROSEMA GRANDIFLORA.**  
 A perfectly hardy perennial vine of rare beauty, which blooms in July from seed sown in April, and bears in great profusion inverted pea-shaped flowers of various colors. **Packet, 5c.**

**70. CHRYSANTHEMUMS, SINGLE, MIXED.**—Showy and effective garden favorites extensively grown for cut flowers. The hardy annuals are summer flowering border plants; good for pot culture and quite distinct from the autumn flowering varieties. **Packet, 5c.**

**71. CHRYSANTHEMUM FRUTESCENS (The Marguerite, or Paris Daisy).**—Immense quantities are grown by French florists, and find a ready sale. It produces freely its white star-like flowers under the most favorable conditions. **Packet, 10c.**

**75. CINERARIA (Dusty Miller).**—Fine for bedding, ribbon beds and margins; prized for their beautiful downy silvery foliage; half hardy perennials; two feet. **Packet, 5c.**

**76. CINERARIA HYBRIDA.**—Large flowered prize varieties; very attractive, free blooming plants, producing large and brilliant flowers. **Packet, 25c. 5 for \$1.00.**

**77. CINERARIA HYBRIDA DWARF.**—Large flowered, dwarf prize varieties splendid strain. **Packet, 25c. 5 for \$1.00.**

**80. CLARKIA, MIXED.**—An old favorite hardy annual plant, growing in any garden soil, and producing freely its cheerful flowers early in the season; 1½ feet. **Packet, 5c.**

**85. COCKSCOMBS (Celosia Cristata).**—Very popular annuals of the easiest culture, highly ornamental for decoration of the green-house, drawing-room and garden. Half hardy annuals. **Packet, 5c.**

**86. COCKSCOMBS, GLASGOW PRIZE.**—Immense showy dark crimson combs. **10c.**

**88. COWSLIP.**—Packet, 10c.

**89. COLEUS.**—Very choice plants with richly colored foliage of maroon, green, crimson, yellow, etc. **Packet, 25c.**

**90. CONVULVULUS, TRI-COLOR MINOR (Dwarf Morning Glory).**—A beautiful class of hardy annuals, affording a large, showy mass of flowers from July to October. **Packet, 5c.**

**93. COREOPSIS (Calliopsis).**—Very handsome and showy plants, with numerous flowers of brilliant colors, and of long duration in bloom.

**93a. COREOPSIS LANCEOLATA—IMPROVED (California Sunbeams).**—This is one of the finest of hardy plants, with large, showy, bright golden-yellow flowers, freely produced on long stalks, from June till frost; excellent for cutting; will thrive in almost any situation. **Packet, 5c. 1-4 oz. 40c.**



**50.—CALCEOLARIA, DWARF.**

**ALL KINDS OF MACHINERY REPAIRED.**

## SELECTED FLOWER SEEDS

TEN 5c. papers mailed for 25c. or FOUR 10c. papers for 25c.

### COSMOS.

Large flowering. Sow early in spring, and transplant when danger from frost is past. The flowers are borne profusely, and present a charming appearance when in full bloom, being covered through the autumn months with hundreds of showy blossoms. They are very easily raised and make a grand display.

#### 94. TINTS OF DAWN

**COSMOS.**—This new variety comes into full bloom in July, and continues a mass of bloom until cut down by severe frost. In addition to this, it is of dwarf growth, and large flowers.

Packet, 10c. 1-4 oz. 50c.

95. **COSMOS, Mixed.**—5c.

1-4 oz. 20c. Oz. 50c.

95a. **COSMOS, Pink.**—5c.

95b. **COSMOS, White.**—5c.

95c. **COSMOS, Crimson.**—5c.

95d. **NEW MARGUERITE COSMOS.**—One of the prettiest and daintiest varieties imaginable. Packet, 10c.

96. **CYCLAMEN—PERSCUM—GIGANTEUM, MIXED.**—Charming plants with beautiful foliage and rich colored fragrant flowers. Packet, 25c. 5 for \$1.00.

97. **DAISY, MIXED.**—Well-known favorites, admirably adapted for edgings, borders and low beds, and it is also suited for growing in pots. Although they are perennials, they will flower the same season if seed is sown early in the house. Packet, 10c.

98. **DAISY, LONGFELLOW.**—This is a very pretty, large, double-pink variety. Packet, 10c.

99. **DAISY, SNOWBALL.**—An unusually large-flowered variety, and produces very double, pure white flowers. Packet, 10c.

### DAHLIA.

One of our best autumnal flowering plants. Blooms until killed by frost; tuberous-rooted, half-hardy perennials; blooming the first year from seed, if sown early.

100. **SINGLE MIXED.**—Large, showy single flowers. Packet, 5c.

100a. **CACTUS DAHLIA.**—A most curious and desirable variety of many colors. Packet, 5c.

**DIANTHUS.**—(See Pinks).

100½. **DIANTHUS—ORIENTAL BEAUTIES.**—A magnificent strain of new large-flowering Dianthus from Japan. The colorings and markings are rich beyond description; very dainty and pretty with their charming ruffles and frills. Hardy and perpetual bloomers. Packet, 10c.

101. **ETERNAL FLOWER (Helicrysum).**—These are very popular and desirable for winter decoration, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches, and dried in the shade with their heads downward. Packet, 5c.

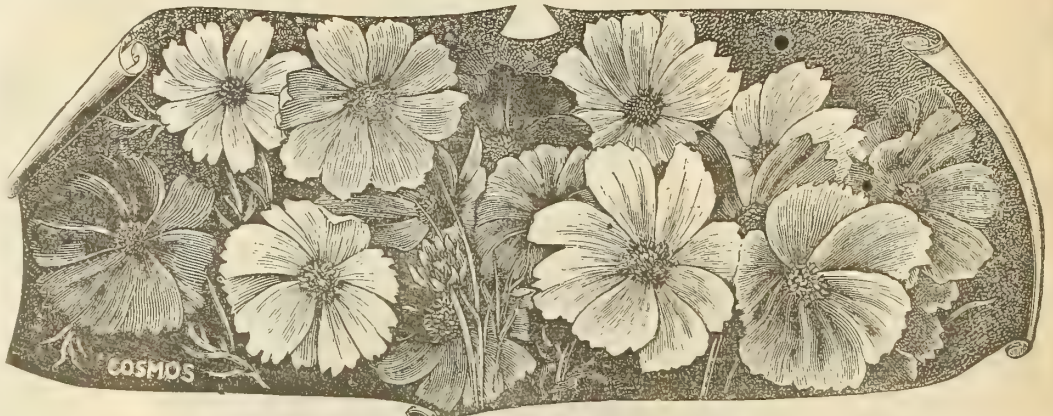
103. **FEVERFEW (GOLDEN FEATHER) (Pyrethrum Aurum).**—A highly ornamental golden yellow foliage plant, unexcelled for bedding. Hardy perennial; 1½ feet. Packet, 5c.

105. **FORGET-ME-NOT (Myosotis).**—Neat and beautiful little plants, with star-like flowers, succeeding best in a shady, moist situation; half-hardy perennials; blooming the first year from seed, if sown early. Packet, 5c.

106. **FOXGLOVE (Digitalis).**—A handsome and highly ornamental, hardy perennial plant of stately growth; fine for shrubberies and other half-hardy places; 3 feet.

107. **GERANIUM (New Zonale).**—A grand strain of Geraniums, containing all shades of colors. Packet, 10c.

108. **GODETIA—Finest Mixed.**—Fine, profuse blooming hardy annuals. Packet, 5c.

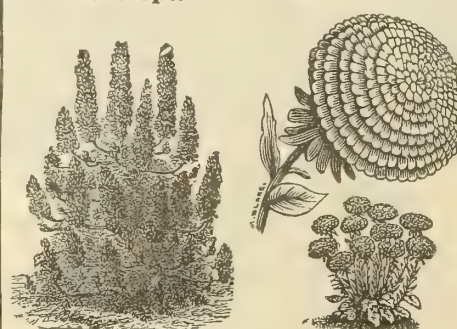


Daisy.



Heliotrope.

Four O'clock.



Larkspur.

Marigold.

109. **GAILLARDIA.**—Very attractive plants, producing a profusion of bloom the entire summer and autumn. Half-hardy annuals. Packet, 5c.

110. **GILIA, MIXED.**—Very pretty dwarf plants, early, free blooming, fine for massing and rock work. Hardy annuals. Packet, 5c.

111. **GLOXINIA.**—Large flowering, choice mixed. Produces in great profusion large bell-shaped flowers of the richest variety of colors. Packet, 25c.

112. **HELIOTROPE.**—These are deliciously fragrant flowers, remaining in bloom a long time; fine for pot culture or bedding; half-hardy annuals. Packet, 5c.

115. **HOLLYHOCK, CHATERS SUPERB MIXED.**—This is one of the oldest inhabitants of our gardens; now ranks as one of the finest autumn flowers. Packet, 5c.

116. **HOLLYHOCK, CHATERS DOUBLE WHITE.**—Largely used by florists. Packet, 10c.

119. **LANTANNA.**—Of compact growth, and very profuse bloomers. Packet, 5c.

120. **LARKSPUR (Delphinium).**—One of our most showy and useful plants, possessing almost every requisite for adornment of the garden. Packet, 5c.

121. **LARKSPUR EMPEROR.**—Of symmetrical bushy habit, with a profusion of brilliant dark-blue, red-striped and tri-colored flowers. Packet, 5c.

### LOBELIA.

A beautiful and popular flower, very desirable for pot culture, beds or hanging baskets, because of its trailing habits. Grows easily and does well in beds and rockeries. Bears a profusion of blue and white flowers. Annuals.

122. **MIXED VARIETIES.**—5c.

123. **CRYSTAL PALACE COMPACTA.**—Rich deep blue. The finest for bedding. Packet, 10c.

125. **MARIGOLD, DOUBLE AFRICAN.**—A well-known free-flowering plant, of easy culture, with rich and beautiful double various-colored flowers. Packet, 5c.

126. **MARIGOLD, DOUBLE FRENCH.**—Of compact habit, with numerous bright, showy flowers. Very fine. Packet, 5c.

130. **MARVEL OF PERU, or FOUR O'CLOCK (Mirabilis Jalapa).**—Very pretty annual of vigorous growth. The flowers are brilliant, singularly mixed and varied on the same plant. 2 feet. Packet, 5c.

131. **MATTHIOLA BICORNIS.**—Very fragrant at night. Packet, 5c.

133. **MESEMBRYANTHEMUM CHRYSOTALINUM (Ice Plant).**—Dwarf spreading plants of great beauty, blooming the entire summer, succeeding best in dry, sandy or loamy soil, and in a warm locality. It belongs to the half-hardy annuals. Packet, 5c.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

## **FLOWER SEEDS THAT GROW.**

TEN 5c. PAPERS MAILED FOR 25c., OR FOUR 10c. PAPERS FOR 25c.

134. **MIMULUS.**—The beautiful Monkey Flower.  
 Pkt., 5c.

### **Mignonette**

(SELECTED STOCK).

135. **MIGNONETTE—SWEET** (*Reseda Odorata*).—A well-known and universal garden favorite, and one that requires no extra instructions for growing. Hardy annuals. Pkt., 5c. Oz., 15c.

136. **MIGNONETTE—PYRAMIDAL.**—(Large flowered.)—The largest flowered of all Mignonettes. Annual. Pkt., 5c. Oz., 15c.

137. **MACHET MIGNONETTE.**—Well adapted for pot culture; dwarf pyramidal growth; bearing numerous flower stalks; one of the best.  
 Pkt., 10c. 1/4 Oz., 20c. Oz., 50c.

138. **MIGNONETTE VICTORIA.**—A splendid, new, compact-growing variety of dense pyramidal habit, growing about six inches high. The flowers are of a brilliant red, and are suitable for pot or garden. Pkt., 10c.

139. **ALLEN'S DEFIANCE.**—When grown under favorable conditions and with proper care spikes will not only be of remarkable size—from 12 to 15 inches long—but deliciously fragrant; much more so than any other variety.

Pkt., 10c. 1/4 Oz., 25c. Oz., 75c.

140. **GOLDEN MACHET MIGNONETTE.**—Distinct new variety of the well-known Machet, of the same compact and robust habit, but differing from the type by its massive spikes of golden-yellow blossoms.

Pkt., 5c. 1/4 Oz., 20c. Oz., 50c.

### **OXALIS**

153. **OXALIS.**—Pretty little half-trailing annuals for hanging baskets. Mixed annual sorts. Pkt., 10c.

### **PANSIES**

OUR STRAIN OF PANSIES  
 IS THE EQUAL OF ANY.

156. **PANSY GIANT TRIMAR-DEAU.**

Remarkable for the extra large size of the flower and an endless variety of beautiful shades.

Pkt., 10c. 1/8 Oz., 40c.

159. **GIANT KING OF BLACK.**  
 Pkt., 10c. 1/8 Oz., 40c.

160. **GIANT EMPEROR WILLIAM.**

Brilliant blue, with violet eye.  
 Pkt., 10c. 1/8 Oz., 40c.

161. **GIANT LORD BEACONSFIELD.**

Deep violet, shading to white.

162. **GIANT SILVER-EDGED.**

163. **GIANT YELLOW GEM.**—Pure yellow, without eye.  
 Pkt., 10c. 1/8 Oz., 40c.



DEFIANCE

148. **DWARF NASTURTIUM (Ruby King).**—**MIGNONETTE.** Light ruby red. Pkt., 5c. Oz., 15c.

149. **DWARF NASTURTIUM (Cloth of Gold).**—Golden yellow foliage light scarlet flowers. Pkt., 5c. Oz., 20c.

150. **KING THEODORE—DWARF.**—Black-brown foliage. Pkt., 5c. Oz., 15c.

151. **CRYSTAL PALACE GEM.**—Sulphur, maroon spot. Pkt., 5c. Oz., 15c.

TALL NASTURTIUM.—(See 310.)

158. - PANSY.

(Bugnot's Exhibition.)

A CELEBRATED strain of extra large size, beautiful colors, with handsome broad blotches, and finely penciled with stripes of delicate hue. The ground colors are generally dark, which, with light penciling and blotches, make a magnificent flower. They are a small seeder.

Pkt., 25c.

155. **PANSY HEARTSEASE.**

Choice mixed. An old but universally admired plant, producing an endless variety of color, marking and texture. They may be treated as annuals, as they flower the first season from seed; 6 inches.

Pkt., 5c. 1/8 Oz., 35c.

157. **PANSY, G. & T. CO.'S EXTRA MIXED.**

This mixture, containing the most blotched varieties, is grown and selected with special care, and has given the most satisfactory results to both florists and amateurs for the past two years.

Pkt., 15c. Two Pkts., 25c. 1/8 Oz., 60c.



NASTURTIUM.

Pkt., 10c. 1/8 Oz., 40c.

Pkt., 10c. 1/8 Oz., 40c.



\* GRIFFITH & TURNER CO.'S MIXED PANSIES.

ALL KINDS OF MACHINERY REPAIRED.

## THE BEST FLOWER SEEDS.

Ten 5c. Papers, mailed, for 25c., or  
Four 10c. Papers for 25c.



**162. PASSION FLOWER (Southern Beauty).**—A most interesting and well-known order of climbers, bearing singularly beautiful flowers.  
**Packet, 10 cents.**

## Petunias

**165. PETUNIA.**—Favorite, half-hardy perennials, succeeding well in any rich soil. For the brilliancy and variety of the colors and the long duration of their blooming period, they are indispensable in any garden.  
**Packet, 5 cents.**

**166. SINGLE-FRINGED MIXED PETUNIA.**—Large flowers, four to five inches across, of every hue, each flower being beautifully fringed. **Packet, 25 cents.**

**167. DOUBLE PETUNIA.**—About 30 per cent. will produce double flowers. **Packet, 25 cents.**

**168. PETUNIA—Double-Fringed Mixed.**—The flowers of this sort being double, together with being fringed, are very beautiful. **Packet, 25 cents.**

## PHLOX DRUMMONDII

**175. PHLOX DRUMMONDII.**—A most brilliant and beautiful hardy annual, about one foot high, well adapted for bedding, making a dazzling show through the whole season. It succeeds well on almost any soil.  
**Packet, 5 cents.**

**176. PHLOX DRUMMONDII—(Nana Compacta).**—Very fine mixed. This new strain is of dwarf, compact habit, and makes desirable pot plants; also excellent for ribbon lines and massing.  
**Packet, 10 cents.**

## Pinks

**180. PINK—CARNATION, or PICOTEE.**—Choicest Double Mixed (*Dianthus Caryophyllus*).—Carnation and Picotee Pinks are generally favorites for their delicious fragrance, richness of colors and profuse bloom. Perennial. **Packet, 10 cents.**

**181. PINK, CARNATION (Riviera Market, or Gillaud).**—This is the only variety that will produce yellow flowers the first season. The mixture we offer contains a magnificent variety of colors and shades, having among them flowers of canary yellow, and also striped yellow. They will thrive either in open ground or pots.  
**Pkt. 25 cents.**



PINK—CHINA.

**182. PINK—CARNATION (Marguerite).**—Will produce flowers in a few weeks from seed. Profuse bloomers, producing very double flowers of all shades of red, pink, white and variegated. Will bloom all summer until frost or indoors in winter in pots.  
**Packet, 10 cents.**

**185. PINK—CHINA (*Dianthus Chinensis*).**—Free bloomers, and a general favorite for bouquets, also a useful bedding plant.  
**Packet, 5 cents.**

**188. PINK—HEDDEWIGH.**—Beautiful double flowers in a great variety of colors, with fringed white edges.  
**Packet, 5 cents.**

**189. PINK—JAPAN.**—Beautiful double flowers, mixed, of various colors, with the outer edges fringed and nearly white.  
**Packet, 10 cents.**

**195. PORTULACA (Mexican Rose).**—One of our finest hardy annual plants, of easy culture, thriving best in rather rich, light loam or sandy soil; the single-flowering varieties are large and brilliant, of the richest shades of color, and produced throughout the summer in great profusion; fine for massing in beds or edgings of rock work.  
**Packet, 5 cents.**

**196. DOUBLE PORTULACA.**  
**Packet, 10 cents.**



## Carnation



A BED OF PHLOX DRUMMONDII GRANDIFLORA, MIXED.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

## The Best Flower Seeds

Ten 5c. Papers Mailed for  
25c., or Four 10c. Papers  
for 25c.

**200. POPPY-CARNATION (Papaver).**—A showy and easily cultivated hardy annual, with large brilliant colored flowers, growing freely in any garden soil.  
**Packet, 5c.**

**201. POPPY-PEONY FLOWERED.**—A magnificent species, large, showy, double globular flowers, resembling Peonies in shape.  
**Packet, 5c.**

**202. SHIRLEY POPPY.**—These beautiful Poppies are generally single or semi-double. The colors, extending from one extreme to the other, are so varied that scarcely two are alike, while many are striped and blotched. The blooms, if cut when young, will stand for two or three days.  
**Packet, 5c.**

**203. TULIP POPPY.**—A magnificent species from Armenia. The plants attain a height of 14 to 16 inches, and produce from about 50 to 60 flowers of the brightest scarlet.  
**Packet, 5c.**

**204. ICELAND POPPIES, MIXED.**—Although hardy perennials, these Poppies bloom the first season from spring-sown seed. The fragrant, elegant, crashed satin-like flowers are produced in never-ceasing succession from the beginning of June to October.  
**Packet, 5c.**

**205. POPPY—IRRESISTIBLE.**—A rare and beautiful Poppy, with immense flowers. Color, an exquisite rose.  
**Packet, 5c.**

**210. ENGLISH PRIMROSE (Primula Vulgaris).**—No collection of spring flowers is complete without a few of these charming little plants. A little covering in the late fall will protect them from the severe weather of winter, and the great number of flowers produced will more than repay you the extra trouble. They are not as generally grown as they should be.  
**Packet, 10c.**

**211. CHINESE PRIMROSE (Primula Fringed).**—This variety is much prettier than the English, being fringed and of the most beautiful colors. They differ from each other like the double and single Petunias.  
**Packet, 25c.**



TULIP POPPY.

**212. RICINUS, MIXED VARIETIES.**—Ornamental plants of stately growth and picturesque foliage; fine for lawns, massing or center plants for ribbon beds; half-hardy annuals.  
**Packet, 5c.**

**212½. RICINUS ZANZIBARIENSIS, MIXED.**—Their immense leaves and gigantic plants exceed all other varieties.  
**Packet, 5c.**

**213. SCABIOSA—GRANDIFLORA.**—A wonderful improvement over the old variety; bears beautifully formed flowers three inches in diameter.  
**Packet, 10c.**

**215. SCARLET SAGE (Salvia Splendens).**—A favorite greenhouse and bedding plant, bearing long spikes of flowers in great profusion from July to October; half-hardy perennial, blooming the first year from seed. Three feet.  
**Packet, 5c. 1-4 oz., 75c.**

**216. SCARLET SAGE—CLARA BEDMAN (Bontire).**—The finest Salvia ever introduced.  
**Packet, 5c. 1-4 oz., 75c.**



CHINESE PRIMROSE.

**220. SENSITIVE PLANT (Mimosa).**—Curious and interesting plants, with pinkish-white flowers; the leaves close in and droop when touched or shaken; tender annual.  
**Packet, 5c.**

**SNAP DRAGON.**—See Antirrhinum.  
**Packet, 5c.**

**230. TEN WEEKS' STOCKS (Gilliflower).**—A world-wide favorite, brilliant and varied in color, equally well adapted for massing, bedding, edging or pot culture. Very profuse bloomers. Should be grown in rich soil.  
**Packet, 5c.**

**231. STOCKS—SNOWFLAKE IMPROVED.**—A beautiful dwarf-growing variety; very large, double, snow-white flowers. Our seed of this variety is grown by a specialist, and will produce a large percentage of double flowers.  
**Packet, 10c.**



SWEET WILLIAM.

**235. SUNFLOWER (Helianthus).**—Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. The seed is also good for feeding poultry.  
**Packet, 5c.**

**237. SWEET ROCKET (Hesperis).**—Very pleasing, early spring flowering, profuse blooming plants, with fragrant flowers, growing freely in any light, rich soil.  
**Packet, 5c.**

**240. SWEET WILLIAM (Dianthus Barbatus).**—A well-known, free-flowering popular favorite; the great improvements upon the old varieties made within the last few years have rendered it still more desirable. Hardy perennial.  
**Packet, 5c.**

**243. SWEET VIOLET.**—Deservedly much in demand, because of their profusion of bloom and delicate, sweet odor.  
**Packet, 10c.**

**244. TORENIA.**—Charming plants for pot-culture, vases or hanging baskets. They succeed well also in the open ground in summer, and are very attractive in beds or masses.  
**Packet, 5c.**



SCARLET SAGE.

ALL KINDS OF MACHINERY REPAIRED.

## *Choice Flower Seeds*

Ten 5c. Papers  
 mailed for 25c.  
 or Four 10c. Pa-  
 pers for 25c.



**MAMMOTH VERBENA.**

**245. MAMMOTH VERBENA.** One of the most popular and useful bedding plants. Verbenas delight in sunny situation, rich soil and thorough cultivation. **Packet, 5c. Oz., \$1.00.**

**247. VINCA.**—Small bushy plants, producing in quantities round single flowers the first season, if sown early. They may be potted and kept all winter.

**250. VINCA ROSA.**—Rose with dark eye. **Packet, 5c.**



**ZINNIAS.**

**251. VINCA ALBA.**—White, with crimson eye. **Packet, 5c.**

**255. WALLFLOWER, DOUBLE.**—Well-known, deliciously fragrant plants, with large spikes of double flowers, similar to the Gilliflower. Succeed in light, rich soil, in a moist atmosphere. Perennials. **Packet, 10c.**

**258. ZINNIA ELEGANS (Youth and Old Age).**—This is one of the most brilliant of annuals, and has long been a general favorite. The flowers are large, finely formed, in great variety of colors, and continue to bloom the entire season. Half-hardy annuals. **Packet, 5c.**

**259. ZINNIAS CURLED AND CRESTED.**—New, odd and superb. Petals twisted, curled and crested into fantastic contortions and graceful forms. A magnificent variety of colors. **Packet, 5c.**

**260. ZINNIA—DOUBLE POMPON.**—Long cone-shaped flowers, very fine. **Packet, 5c.**

**261. ZINNIA—ZEBRA FLOWERED.**—**Packet 5c.**

## *General List of Climbers.*

**270. BALSAM APPLE (Momordica).**—Very curious trailing vines, with ornamental foliage, fruit golden yellow; when ripe, opens, showing the seeds and its brilliant carmine interior. **Packet, 5c. Oz., \$1.00.**

**272. BALLOON VINE (Love in a Puff).**—A rapid growing plant; succeeds best in a light soil and warm situation; flowers white; half-hardy annual. **Packet, 5c.**

**275. CANARY BIRD FLOWER (Peregrinum).**—With yellow, canary-like flowers; very ornamental and beautiful foliage; half-hardy annual. **Packet, 5c.**

**276. COBEA SCANDENS.**—A beautiful, rapid growing climber, with handsome foliage and large bell-shaped flowers; blue; half-hardy perennial; grows twenty to thirty feet high. **Packet, 10c. Oz. 40c.**



**BALSAM APPLE.**

**278. CYPRESS VINE, RED (Ipomea Quamoelit).**—One of our most popular vines, with very delicate, fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow last of May; fifteen feet. **Packet, 5c.**

**279. CYPRESS VINE, WHITE.**—Usually grown with the red, making a handsome effect. **Packet, 5c.**

**282. MAURANDIA (Barclayana).**—These charming climbers cannot be too highly praised for their beautiful flowers and foliage; they are admirably adapted for hanging baskets, vases or trellis work. **Packet, 5c.**

**285. MIXED GOURD (Cucurbita).**—Rapid growing, interesting plants, with ornamental foliage and varieties of singular shaped fruit; annual. **Packet, 5c.**

**286. NEST EGG GOURD.**—White fruit, shaped like an egg. Used as a substitute for nest eggs. **Packet, 5c.**

**287. DISH CLOTH GOURD.**—**Packet, 5c.**

**288. DIPPER GOURD.**—**Packet, 5c.**

**290. MOCK ORANGE.**—Fruit shaped like an orange. **Packet, 5c.**

**295. HEAVENLY BLUE IPOMEA.**—The flowers are in large airy clusters and of that lovely blue so rarely seen. Flowers four to five inches across. **Packet, 5c.**



**MIXED GOURDS.**

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

## **CHOICE FLOWER SEEDS.**

### **CLIMBERS.**

**300. MORNING GLORY (Convolvulus Major).**—One of the most free flowering and rapidly growing plants in cultivation, thriving in almost any situation. The beauty and delicacy of their brilliant flowers are unsurpassed; hardy annuals. **Packet, 5c.**

**301. NEW BRAZILIAN MORNING GLORY.**—**Packet, 5c.**

**302. GIANT JAPANESE MORNING GLORY.**—This plant has been developed to such a state of perfection that it now produces flowers of immense size and almost endless variety of color and markings. Some of the flowers are brilliant red, or rich blue self-colored; others are equally brilliant, with broad margins of clear white. Some blossoms are striped and dotted with blue or red on white or lemon-yellow ground; others clouded with blue and red; in fact, one may expect to find some new and exquisitely beautiful markings every morning. Not only are the flowers varied, but the foliage is equally so; some of it comes plain green, and part is mottled with white and shades of yellow or yellowish green. Vines grow 30 to 40 feet high. **Packet, 10c.**

**305. MOON FLOWER (Ipomoea Noctiflora).**—Charming and popular blooming climbers; of rapid growth and showy effects; warm, rich soil, with a sunny exposure, suits them. **Packet, 5c.**

**310. TALL NASTURTIUM (Tropaeolum Major).**—Elegant, profuse flowering plants, constantly growing in favor for verandas, trellis, etc. The seed pods can be gathered while green and tender for pickling. **Packet, 5c. Oz., 10c.**

**320. SCARLET RUNNERS.**—Very handsome, climbing Beans, with bright scarlet flowers. **Packet, 5c.**

**326. SMILAX.**—Charming climber for greenhouse or window gardens. **Pkt., 5c. 1/2 oz., 25c. Oz., 40c.**



No lover of flowers should  
 be without a bed of  
 Sweet Peas.  
 Our list comprises the  
 Best Varieties.

## **Sweet Peas**

Ten 5c. Papers Mailed for 25c.,  
 Or Four 10c. Papers for 25c.

**SWEET PEAS** still hold a place in the first rank among flowering plants. But few plants are grown more easily, and grown in masses of separate colors or in mixture their beauty and fragrance cannot be surpassed. We offer in our list an assortment of the choicest varieties.

**CULTURE.**—Sweet Peas should be sown in drills as early as possible in spring, in rich, friable soil. Prepare the bed thoroughly, working in a quantity of well-rotted manure, if it can be done, making a furrow 4 to 6 inches deep. In this sow the seed and cover 2 inches deep. As soon as the plants begin to show through, fill in the furrow. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continuously through the heat of summer. As fast as the flowers come into full bloom or fade they should be cut off, for if the pods are allowed to form the plants will stop blooming.

### **CLASSIFIED VARIETIES AS TO COLOR.**

If you want White, select from numbers 356, 373, 387, 402. Pinks, 350, 371, 391, 420, 427. Orange and Salmon, 395, 406. Scarlet, 377, 386. Maroon, 360, 423. Yellow, 400. Striped Varieties, 353, 411, 424. Pink or Red, with White Wings, 357, 358.

**350. ALICE ECKFORD.**—Standard, rich, creamy, tinted pale pink. Wings pure white. **Oz., 5c. 1/4 Lb., 15c.**

**362. AMERICA.**—Large, bold flower; white striped with blood-red. **Oz., 5c. 1/4 Lb., 15c.**

**351. APPLE BLOSSOM.**—Bright rose and pink; beautiful. **Oz., 5c. 1/4 Lb., 15c.**

**352. AURORA.**—The color effect is gorgeous; both standard and wings are flaked and striped on a white ground with bright orange salmon. **Oz., 5c. 1/4 Lb., 15c.**

**363. BLACK KNIGHT.**—Extra large, well-expanded flowers of glossy maroon. **Oz., 5c. 1/4 Lb., 15c.**

**356. BLANCHE BURPEE.**—Pure white; very large flower. **Oz., 5c. 1/4 Lb., 15c.**

**357. BLANCHE FERRY.**—Popular color standard, brightest pink; keel and wings white. **Oz., 5c. 1/4 Lb., 15c.**

**358. BLANCHE FERRY.**—Extra Early. **Oz., 5c. 1/4 Lb., 15c.**

**359. BLUSHING BEAUTY.**—Flowers of largest expanded form, perfect in shape, and of very good substance. Color a delicate, soft pink. **Oz., 5c. 1/4 Lb., 15c.**

**360. POREATTON.**—A very fine dark Pea, with bold, stout flowers; color deep maroon. **Oz., 5c. 1/4 Lb., 15c.**

**361. BUTTERFLY.**—New, and ranks among the very best of this unrivaled class of plants. Color lavender blue, shading into white on the lower petals. **Oz., 5c. 1/4 Lb., 15c.**

**364. CAPTAIN OF THE BLUES.**—Large shell-formed flowers, purplish blue; wings deep blue. **Oz., 5c. 1/4 Lb., 15c.**

**365. COQUETTE.**—Rosy cream standard; cream wings. **Oz., 5c. 1/4 Lb., 15c.**

**366. COUNTESS OF RADNOR.**—Delicate lavender, wings delicately striped with rose. **Oz., 5c. 1/4 Lb., 15c.**

**371. ELIZA ECKFORD.**—Standard rose, wings delicately striped with rose. **Oz., 5c. 1/4 Lb., 15c.**

**372. EMILY ECKFORD.**—Standard heliotrope, suffused with blue; wings deep blue. **Oz., 5c. 1/4 Lb., 15c.**

**373. EMILY HENDERSON.**—Very early; color pure white; fragrance most delicious. The plants are robust, branchy, of compact habit; flowers large, broad and round, and its abundance of bloom is phenomenal. **Oz., 5c. 1/4 Lb., 15c.**

**374. FIREFLY.**—Intense, glowing crimson. **Oz., 5c. 1/4 Lb., 15c.**

**381. GAJETTY.**—Standards white, striped and flaked with rosy lilac; wings delicate blush. **Oz., 5c. 1/4 Lb., 15c.**

**367. GORGEOUS.**—Flowers very large; coloring rich, glowing and effective. **Oz., 5c. 1/4 Lb., 15c.**

**380. GRAY PRIAR.**—Large, shell-shaped flower, white clouded, and minutely dotted with reddish lilac. **Oz., 5c. 1/4 Lb., 15c.**

**382. HER MAJESTY.**—Beautiful, soft, rosy pink. **Oz., 5c. 1/4 Lb., 15c.**

**385. INDIGO KING.**—A dark maroon standard, and clear indigo blue wings. **Oz., 5c. 1/4 Lb., 15c.**

**386. INVINCIBLE SCARLET.**—Flowers of intense and brilliant scarlet pink, of the largest size. **Oz., 5c. 1/4 Lb., 15c.**

**391. KATHERINE TRACEY.**—Soft, brilliant pink. **Oz., 5c. 1/4 Lb., 15c.**

**394. LADY BEACONSFIELD.**—The standards are salmon pink, wings pale primrose yellow. **Oz., 5c. 1/4 Lb., 15c.**

**395. LADY PENZANCE.**—One of the most beautiful of Eckford's introductions. The standard is a beautiful laced pink, touching orange, while the wings are a darker and purer pink. **Oz., 5c. 1/4 Lb., 15c.**

**396. LOTTIE ECKFORD.**—New, and a free bloomer, color lavender, shaded with pink and white. Very handsome. **Oz., 5c. 1/4 Lb., 15c.**

UNLESS  
OTHERWISE  
NOTED,  
PRICES ARE:  
Ounce 5c.  
1/4 Pound 15c.



## Sweet Peas—Continued.

TEN 5c. PAPERS  
MAILED for 25c.  
OR FOUR 10c.  
PAPERS for 25c.  
THIRTY 5c. PA-  
PERS for 50c.

**397. LOTTIE HUTCHINS.**—Daintily flaked with pink on cream ground, making a rich and lovely effect. The flowers are of well-expanded grandiflora type, large in size and finely formed, borne on heavy, substantial stems.

**398. LOVELY.**—The most beautiful soft-shell pink; grand flowers of large size.

**399. MARS.**—Bright, fiery crimson, deepening with age; a large, round, expanded standard.

**400. MRS. ECKFORD.**—Color a peculiarly delicate shaded primrose yellow. Decidedly pretty.

**401. MRS. GLADSTONE.**—On opening, the flowers are buff and soft pink, changing to a beautiful pale blush. Standard pink, deepening in color at the base, and wings flesh-tinted.

**402. MRS. SANKEY.**—Black seeded. Large white flower, changing to blush.  
**406. ORANGE PRINCE.**—Bright orange pink, flush scarlet; wings of rich rose, veined with pink.  
**408. PRIMA DONNA.**—Lovely soft rose pink, of large size and fine form; a gem.

**409. PRIMROSE.**—Distinct as the nearest approach to yellow in Sweet Peas. Standard and wings of a pale primrose yellow color.

**410. PRINCESS BEATRICE.**—Flowers of a clear and beautiful carmine rose, slightly shaded.

**411. PRINCESS OF WALES.**—Color, white ground, shaded and tinged with mauve.

**412. PRINCESS VICTORIA.**—Standard, dark cherry; wings, mauve pink, and slight lines of rose.

**416. QUEEN OF THE ISLES.**—Scarlet mottled and flaked with purple and white.

**419. RED RIDING HOOD.**—Standard and wings are a rosy pink, shading to bluish white at calyx.

**420. ROYAL ROBE.**—Standards a rich, but delicate pink, wings a soft bluish pink.

**422. SHAHZADA.**—Flowers of large size and fine, expanded form; coloring rich dark maroon, with a tint of purple in the centre of the standard and the inner portion of the wings.

**423. STANLEY, OR BLACK KNIGHT.**—A deep maroon; a large and very handsome flower of the finest form and abundance.

**424. THE SENATOR.**—Large flowers, shaded chocolate and bright brown, and striped on a creamy-white ground-color; mottled and blotched in every conceivable manner.

**427. VENUS.**—Salmon buff; the standards delicately shaded with rosy pink.

**430. G. & T. CO.'S EXTRA FINE MIXED.**—This is a splendid mixture of our own, which includes nearly all the above varieties.

Oz., 5c. 1/4 Lb., 15c. Lb., 35c.

**431. ECKFORD'S LARGE FLOWERING MIXED SWEET PEAS.**—Contains some of our entire list of Eckford's varieties.

Oz., 5c. 1/4 Lb., 15c. Lb., 35c.

## CUPID DWARF SWEET PEAS.

**435. PINK CUPID.**—Standard bright rose pink; wings either pure white or blush. The seed is black and germinates readily; a thrifty grower and continuous bloomer. Pkt., 5c. 1/2 Oz., 20c.

**436. WHITE CUPID.**—Pure white flowers. Pkt., 5c. Oz., 20c.

**437. BEAUTY CUPID.**—Pkt., 5c. Oz., 20c.

**438. PRIMROSE CUPID.**—Pkt., 5c. Oz., 20c.

**439. ALICE ECKFORD.**—Pkt., 5c. Oz., 20c.

## PALMS.

*Areca Lutescens*, *Latana Borbonica*, *Cocos*, *Weddeliana*, *Pandanus Utilis*.—25c. each.

*Kentia Balmoriana*.—35c. each.

*Poston Fern* (*Exaltata Bostoniensis*).—25c. each.

These arch and droop over very gracefully, making it an excellent plant to grow as a single specimen on a table or pedestal.

## Three New Flowering Begonias.

**GLOIRE DE LORRAINE.**—This is undoubtedly the greatest gem in winter-flowering Begonias yet introduced. It grows from 12 to 15 inches high, forming naturally graceful, bushy specimens. Good young plants. 25c. each, \$2.50 per dozen.

**ARGENTEA GUTTATA.**—Foliage of rich green, spotted with silver. 15c. each, \$1.50 per dozen.

**METALLICA.**—A fine erect growing variety, with dark, rough leaves. 15c. each, \$1.50 per dozen.



## **Chrysanthemums**

**LARGE SHOW VARIETIES.**

**PRICE—15c. each; 5 for 50c.; \$1.00 per dozen; \$5.00 per 100; one each of the 34 varieties for \$1.75.**

- TIMOTHY EATON (NEW).—**Large pure white. 20c. each.  
**COL. APPLETON (NEW).—**Large pure yellow. 20c. each.  
**AUTUMN GLORY.—**Deep reddish-salmon when first opening, gradually changing to a soft shrimp pink.  
**COL. WM. B. SMITH.—**A grand, deep yellow, of finest form and size.  
**CALLINGFORDI.—**A fine shade of crimson.  
**EUGENE DAILLEDOUZE.—**Bright, clear, yellow; extra.  
**GEORGE W. CHILDS.—**The best deep self-colored crimson variety in existence.  
**GLORY OF THE PACIFIC.—**A magnificent extra early pink.  
**GOLDEN WEDDING.—**The grandest golden yellow ever introduced.  
**IVORY.—**Snowy white; perfect form and early.  
**J. H. WOODFORD.—**Shell or mermaid pink, strong stem, fine foliage.  
**LIBERTY.—**Of beautiful form; color a clear rich yellow.  
**MAJOR BONNAFFON.—**One of the best yellows.  
**MRS. F. BERGMAN.—**One of the earliest and best whites.  
**MRS. J. T. WHILDIN.—**A handsome light yellow.  
**MAID DEAN.—**An extra large-flowered variety; color pink, almost rose.
- MINERVA.—**Large, vivid golden yellow.  
**MINNIE WAXMAKER.—**Creamy white, of very large size, and so much incurved as to resemble a white ball.  
**MRS. S. T. MURDOCK.—**Large deep pink, one of the latest.  
**MRS. JOHN GLESSNER.—**Large, light yellow, incurved, late.  
**MRS. PERRIN.—**Rose pink, globular, incurved.  
**MRS. O. P. BASSETT.—**Japanese incurved, clear light yellow.  
**MRS. H. WEEKS.—**Japanese incurved, snow white.  
**MODESTO.—**One of the largest and prettiest yellow varieties.  
**NIVEUS.—**A grand snow-white variety.  
**THE QUEEN.—**Excels all in pure whiteness.  
**V. H. HALLOCK.—**Rosy pearl of a waxy texture.  
**WM. H. LINCOLN.—**A magnificent golden yellow variety.  
**EUREKA.—**High-class, porcelain white.  
**MRS. R. McARTHUR.—**Magnificent; crystal white.  
**MRS. JEROME JONES.—**Large, creamy white.  
**IVORY, PINK.—**Shell pink.  
**ROSE OWEN.—**A fine, early, light pink.

## **Hardy Pomponé Chrysanthemums.**

**PRICE—10c. each; 75c. per dozen; \$5.00 per 100; one of each of the 59 varieties for \$3.00.**

**THESE BEAUTIFUL** small-flowered varieties are certain to become popular for outdoor bedding purposes. They are absolutely hardy, and produce an abundant profusion of blooms, and the plants lend a coloration to the garden just at a time when other plants have been destroyed by frost and are looking their worst. Frost does not materially affect the flowering, and it will frequently happen that an armful of flowers can be cut after a sharp frost. The collection we offer embraces all the leading colors, and, with but a slight covering of leaves or coarse stable litter during the winter, will take care of themselves after once planted.

- ANNA MARY.—**Creamy white.  
**BROWN BESSIE.—**Terra cotta.  
**BRIDESMAID.—**Clear, soft pink.  
**BEN HUR.—**Very small pink.  
**BOB.—**Delicate pink.  
**BLUSHING BRIDE.—**Early, light pink.  
**CLIMAX.—**Deep rosy pink.  
**CHIVVER.—**Small, white.  
**DINIZUL.—**Deep pink.  
**ELEGANTA.—**Deep pink, white tip.  
**EAGLE de O'ER.—**Good yellow.  
**EDNA.—**Pink, light centre.  
**FLAG OF TRUCE.—**Large, full white.  
**FAIRY QUEEN.—**White, pink tip.  
**FRED. PEELE.—**Small, light pink.  
**FIRE BALL.—**Yellow, tipped white.  
**GOLDEN FLEECE.—**Large, lemon yellow.  
**GLOBE d'OR.—**Light yellow.  
**GOLDEN PHEASANT.—**Golden yellow.  
**GOLD STANDARD.—**Fine yellow.  
**GOLD NUGGET.—**Deep orange.  
**GOLDFINCH.—**Yellow, shading bronze.  
**HAPPY THOUGHT.—**Rosy pink.  
**IVANHOE.—**Deep pink, tipped white.  
**JULIA LAGRAVERE.—**Dark bronze.  
**JACK.—**Small, light pink.

- KADAR.—**Brown, yellow centre.  
**LABANAH.—**Tall, white.  
**L'AMI CONDERSCHLERDT.—**Small, white.  
**LA FAVORITE.—**Delicate blush.  
**LITTLE PET.—**Rose.  
**LADYSMITH.—**Rosy lake.  
**MAID OF KENT.—**White.  
**MR. KNAUF.—**A beauty.  
**MR. SCHMIDT.—**Small, yellow.  
**MRS. VINCENT.—**Large, deep rosy pink.  
**NELLIE RAINSFORD.—**Light bronze.  
**NAOMI.—**Delicate blush.  
**NELLIE BLY.—**Light pink.  
**PRINCESS LOUISE.—**Bronze.  
**PRESIDENT.—**Dark pink.  
**PRINCE OF WALES.—**Best white.  
**PSYCHE.—**Pale pink.  
**QUEEN OF BUL.—**Tall, deep pink.  
**REGULUS.—**Deep bronze.  
**ROSANANTE.—**Late, pink.  
**RHODA.—**Delicate pink.  
**SHESHAR.—**Vermilion yellow.  
**SUNLIGHT.—**Light bronze.  
**ST. ILLORIA.—**Silver pink.  
**SOEUR McLAINE.—**Good white.  
**TISRI.—**Deep pink.



**L'AMI CONDERSCHLERDT.  
POMPONE CHRYSANTHEMUM.**

- TIBER.—**Early, yellow.  
**THALIA.—**Fine white.  
**THOMAS LONG.—**Light pink, tipped white.  
**VICTOR.—**Very deep pink.  
**VUEVE CLIQUOTS.—**Early, yellow.  
**YELLOW QUEEN.—**Lemon yellow.  
**ZEFF.—**White, tipped pink.

## **BULBS AND ROOTS**

**FOR SPRING PLANTING.**

### **CANNAS.**

**F**EW flowering plants combine so many fine qualities as the modern Canna—a race of sub-tropical bulbous plants, of most easy culture, rapid reproduction, and good keeping qualities. The floral world has been astonished by their luxuriance of foliage and gracefulness of bloom, which is of immense size, borne in large masses and trusses, combining in color the brightest and richest shades of yellow, red, orange and scarlet, bringing them to the front as the finest ornamental plant in commerce. Useful for garden, greenhouse or sitting-room.

**ALPHONSE BOUVIER.**—This is probably the grandest and most effective crimson Canna grown. Height, 6 feet.

**AUSTRIA.**—Is a counterpart of Italia except in the color of its flowers, which are of a pure canary yellow, with but a few traces of small reddish-brown spots in the centre of the two inside petals.

**BELLE OF BALTIMORE.**—Bronze foliage, pink flower.

**BURBANK (NEW).**—Very large flowering, rich yellow, with very substantial, heavy, light green foliage. Height, about four feet.

**FLORENCE VAUGHAN.**—The finest yellow-spotted variety yet sent out. The foliage is massive and of rich green color.

**MADAME CROZY.**—Flowers of dazzling crimson scarlet, bordered with golden yellow. A marvelous and rich combination of colors. The plant is of vigorous growth, yet very dwarf in habit, rarely exceeding 4 feet in height.

**QUEEN CHARLOTTE.**—This new German sort is one of the handsomest scarlet varieties ever introduced, having a distinct golden belt around each petal.

**FLAMINGO.**—Crimson, growing about 3 feet high.

**CHARLES HENDERSON.**—Probably the most popular crimson Canna in cultivation, of uniform, compact habit, rarely exceeding 3½ feet in height.

**Mlle. BERAT.**—The nearest approach to a pink in a first-class bedder. Height, 4 feet.

**BEAUTE POITEVINE.**—A very dark crimson variety, with dark metallic-green foliage, and deep, rich, crimson flowers.

**SECRETAIRE CHABANNE.**—Salmon-colored; rich and pleasing. Height, about 4 feet.

**EGANDALE.**—Fine dark variety; flowers of a soft currant red.

### **STARTED IN POTS.**

Any of the above, from 3-inch pots, 10c. each; by mail, 15c.; 90c. per dozen; express prepaid, \$1.25; \$6 per 100.

If Cannas are wanted by mail, send 5c. additional for postage on each, or 15c. for a dozen.



**ALLEMANIA.**—Exceptionally large flowers, frequently measuring 6½ inches across, the upper petals salmon with broad border and markings of golden yellow, while the lower petals is dark salmon marked with yellow in the centre; foliage dark green. (See cut.)

**ITALIA.**—Is of a bright orange-scarlet, with a very broad yellow golden border. The flowers, which are produced on massive stems, about 16 inches long, are set well above the foliage, which is large and heavy, similar to that of the Musa Ensete.

#### **DRY OR DORMANT ROOTS (Leading Varieties).**

5c. each, 35c. per dozen.

#### **TALL MIXED VARIETIES.**

Red or green foliage.  
 Each, 10c.; 4 for 25c.; 75c. per dozen.

## **BEDDING PLANTS.**

**COLEUS.**—Fifteen choice varieties.  
 10c. each. 6 for 50c. 75c. per dozen.

**HELIOTROPE.**—Good varieties.  
 10c. each. 6 for 50c. 75c. per dozen.

**PANSIES.**—Good varieties.  
 10c. each. 6 for 50c. 75c. per dozen.

**SALVIAS.**—Splendens, Bonfire, Silver Spot.  
 10c. each. 6 for 50c. 85c. per dozen.

**VERBENAS.**—Ten named varieties.  
 10c. each. 6 for 50c. 75c. per dozen.

**HARDY PHLOXES.**—Ten named varieties.  
 15c. each. 6 for 50c. 12 for 85c.

**AGERATUM STELLA GURNEY.**  
 10c. each. 75c. per dozen.

**ALTERNANTHERA.**—In variety.  
 10c. each. 75c. per dozen.

## **CARNATIONS—Standard Sorts.**

**LIZZIE McGOWAN.**—One of the best white varieties.

**NEW YORK.**—Bright, cerise pink, a fine flower.

**PORCIA.**—Brilliant scarlet. Still the leading scarlet.

**SCOTT.**—Flowers large and non-bursting, of a deep pink; stem long, of good strength. Everybody's pink.

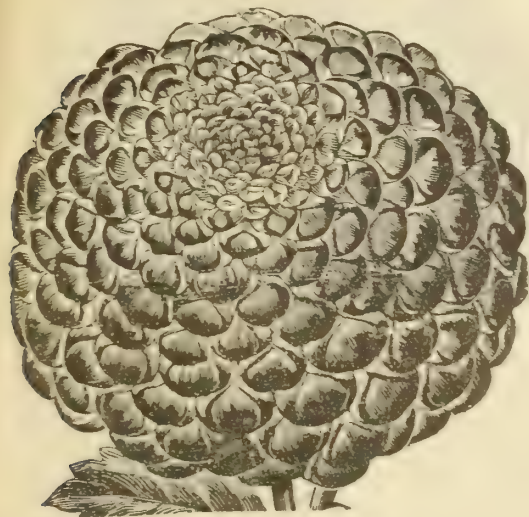
15c. each. 5 for 50c. \$1.00 per dozen. 25 for \$1.50

# GRIFFITH & TURNER CO.

## DAHLIAS—POT GROWN.

### CACTUS AND DAHLIAS.

10c. each. 6 for 50c. 75c. per dozen.



**BRONZE.**—Buff yellow, overlaid bronze.  
**CLIFFORD W. BRUTON.**—The best yellow Cactus Dahlia; a clear rich yellow.  
**LYNDHURST.**—Deep glowing scarlet; large and full.  
**FIRE BALL.**—Clear yellow, tipped reddish pink.  
**MISS JENNINGS.**—Combination of yellow, salmon and pink.  
**ORIENTAL.**—Rich pale salmon.

**NYMPHAE.**—A beautiful delicate pink, shading to blush at centre.  
**ORANGE KING.**—Yellow orange.  
**RED AND BLACK.**—Deep wine, red margin black.  
**SUNLIGHT.**—Soft pale lemon. Very fine.  
**UNIQUE.**—Pure yellow, tipped with red and blue.  
**WILLIAM AGNEW.**—The grandest red Cactus Dahlia ever produced; color, a rich shade of red.

### POMPONE

**CATHERINE.**—Fine yellow.  
**ELFIN.**—Pale primrose, changing to cream white.  
**ELEGANT.**—Soft pink, tipped deep pink.  
**FAIRY QUEEN.**—Light sulphur yellow, edged with deep pink.  
**LELIA.**—Flesh mottled, deep crimson.  
**VIVID.**—Intense scarlet.

### DAHLIAS.

**LITTLE PRINCE.**—Red tipped, mottled deep crimson.  
**LITTLE HELEN.**—Pure white.  
**LITTLE PET.**—Soft pink, shaded with crimson.  
**LITTLE MASTER.**—Deep maroon.  
**SNOW-CLAD.**—Unquestionably the finest white.  
**LITTLE BESSIE.**—Quilled cream, white.

### Large Flowering—Selected Varieties.

10c. each. 6 for 50c. 75c. per dozen.

**FERN LEAF BEAUTY.**—White crimson margin.  
**GRAND DUKE ALEXIS.**—Large creamy white, tipped lilac.  
**JOHN ELITCH.**—Deep crimson.  
**JOHN KYNES.**—Yellow-tipped scarlet.  
**KING OF YELLOW.**—Yellow.  
**LE PHAR.**—Scarlet.  
**MISS MAY LOMAS.**—White, tipped with lavender.  
**MRS. GEORGE REID.**—Rosy lake.  
**MRS. DEXTER.**—Salmon.  
**MAID OF KENT.**—Crimson and white.  
**MT. BLANC.**—Large white, tipped pink.  
**MRS. GLADSTONE.**—Delicate shell pink.

**MME. ZELLER.**—Yellow, edged with pink.  
**M. E. HALLOCK.**—Clear yellow.  
**NEGRO.**—Black, maroon, striped white.  
**NYMPHAEA.**—Delicate light pink.  
**ORANGE KING.**—Brilliant orange.  
**PURITY.**—Large pure white.  
**PLUTON.**—Fine yellow.  
**PERILE.**—Large white, tipped and edged with pink.  
**RUBY QUEEN.**—Clear ruby red.  
**SOUV. DE MME. MOREAU.**—Deep red pink.

### PAEONIES.

THESE noble plants are exceedingly effective; the profusion and duration of bloom, combined with the handsome massive foliage, accommodating habit, and easy culture, render them one of the most popular hardy plants grown for lawn and garden decoration, or for mingling with shrubs for herbaceous plants in borders and wild gardens.

**DOUBLE WHITE.**—25c. each, \$2.50 per dozen.  
**DOUBLE ROSE.**—25c. each, \$2.50 per dozen.  
**DOUBLE CRIMSON.**—25c. each, \$2.50 per dozen.  
 Postage extra, 5c. each, if wanted by mail.

### DOUBLE VIOLETS.

**LADY HUME CAMPBELL.**—Its excellent merit is its strong, healthy constitution. Light purple flowers.  
**SWANLY WHITE.**—The best white double violet.  
 Good plants of either of the above varieties at \$1.00 per dozen, 25 for \$1.50, or \$5.00 per 100.



### FLOWER TUBS.

COLUMBIA, NO. 1 PLAIN.

MADE of Cypress. Never decay or fall apart. Natural varnish finish on the wood, or if wanted can finish them in oil paint, but to order only.

12 inches in diameter by 11 inches high.  
 Each . . . . . \$1.00  
 15 inches in diameter, by 11 inches high.  
 Each . . . . . \$1.50  
 18 inches in diameter, by 16½ inches high.  
 Each . . . . . \$2.00  
 21 inches in diameter, by 18½ inches high.  
 Each . . . . . \$2.50  
 24 inches in diameter, by 20½ inches high.  
 Each . . . . . \$3.00

Each, 15c.  
 Four for 50c.



### IRIS KAEMPFERI.

#### JAPANESE IRIS.

These magnificent Japanese Iris are among the most beautiful of our summer flowering plants, and are destined to become great favorites. They commence flowering early in July, and continue in bloom for five or six weeks if plentifully supplied with water while growing and flowering. Many of these flowers measure from 10 to 12 inches in diameter, and almost rival the Orchids in their rich colorings and markings.



### U.S. FLOWER TUBS.

Cypress, painted green; iron feet and iron bound.

No. 1—14x11 . . . . . 75c.  
 No. 2—14½x13. . . . . \$1.15  
 No. 3—16x15. . . . . \$1.50  
 No. 4—20x18. . . . . \$2.00  
 No. 5—24x21 . . . . . \$2.50



Fifteen cents each. Four for 50 cents. \$1.25 per dozen.

**GRIPPINA.**—Crimson. Second only to "Hermosa" in hardness and profusion of bloom. Color, rich shade of crimson.

**LOUIS PHILIPPE.**—A rich, dark, velvety crimson, free and beautiful.

**AUGUSTA VICTORIA.**—One of the most desirable Roses of recent introduction. The flowers are produced in the greatest profusion, are of large size, of a creamy white color, shading deeply towards the center. It is a strong, healthy grower with fine foliage, and will undoubtedly become popular both as a bedding variety and for forcing under glass.

**AMERICAN BEAUTY.**—Beautiful crimson; very double and fragrant.

**LA FRANCE.**—Splendid satiny Rose; very large, full, fine form a constant bloomer.

**BON SILENE.**—An old favorite, brilliant carmine, fine in bud form.

**METEOR.**—A rich, dark, velvety crimson, Hybrid Tea; a free bloomer and vigorous grower.

**MARIE GUILLOT.**—Pure white; a fine bedding Rose.

**MARECHAL NEIL.**—Large golden yellow.

**NIPHETOS.**—The White Rose par excellence, large pointed buds very free flowering. Particularly valuable for winter forcing and summer blooming.

**PAPA GONTIER.**—This is one of the most fashionable of our winter flowering Roses, but is equally useful for summer bedding. Color, a glowing carmine crimson.

**PERLE DES JARDINS.**—No Rose of its color is more valuable than this. Its color is a rich shade of yellow; large size and perfect form. Tea fragrance; a healthy, free grower, and unequalled in profusion of bloom.

**SAFRANO.**—Saffron yellow, beautiful in the buds; a well-known favorite.

**GEN. JACQUEMINOT.**—Well-known and popular.

**CORNELIA COOK.**—Perhaps the finest white Rose; flowers very large.

**GOLDEN GATE.**—Creamy white, tinted yellow; petals edged with rose.

**HERMOSA.**—Pink. A grand bedding Rose, prolific in blooming and almost entirely hardy, having lived for years in the New York cemeteries.



MAMAN  
COCHET.

## HARDY MEMORIAL ROSE.

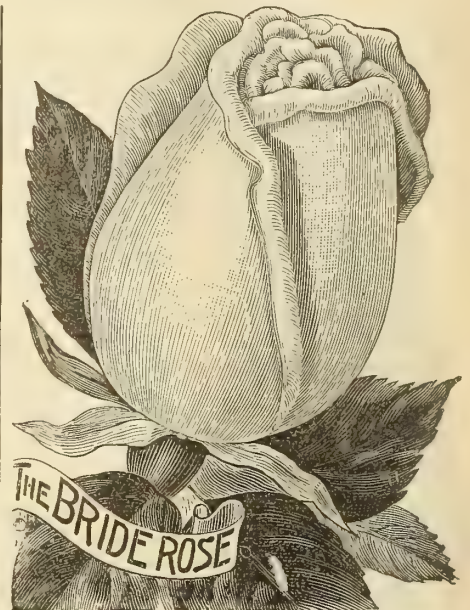
(Rosa Wichuriana.)

### FOR USE IN CEMETERIES.

It is difficult to conceive anything more appropriate, beautiful and enduring for covering graves and plots in cemeteries than the Hardy Memorial Rose. It creeps along the ground almost closely as Ivy, growing ten feet in one season, and forming a dense mat of very dark, green lustrous foliage.

### CULTURE.

Roses of the Tea and monthly class are not altogether hardy north of Virginia, yet with careful banking of the earth high around the plant most kinds do well. The Hybrids, Mosses and Clusters are most hardy, still some protection is very beneficial to these if it only be a covering of loose straw or leaves. Coarse stable manure is the best mulch for winter and summer. We would recommend that north of Virginia selections should be made from the Hybrid Perpetual class, and especially where complete hardness and large plants are desired. Spring is the best time for planting Roses. The soil should be rich and well drained, with careful culture, to insure success. Annual pruning is very beneficial.



**BRIDE.**—The Bride is pure white of large size and most perfect form. This variety has a most delicious fragrance, and is a strong growing, free blooming rose, either for summer or winter flowering.

**MAMAN COCHET.**—An extra strong grower, producing its large buds and flowers in the greatest profusion; color deep rose pink; borne on long stiff stems; very double and exquisite when in bud.

**WHITE MAMAN COCHET.**—Identical with Pink Cochet except in color; an ideal bedding variety.

**BRIDESMAID.**—This beautiful new rose is a sport from Catherine Mermet, possessing all the good qualities of that popular variety, but surpassing it in color, being of a darker, richer color, a deep, rich pink. A most desirable acquisition, and invaluable for winter forcing.

TWO YEAR OLD, 50c. EACH; \$4.50 PER DOZEN.



CRIMSON RAMBLER.

## **Hardy Climbing ROSES.**

15c. each. 4 for 50c. \$1.25 per dozen.

**CRIMSON RAMBLER.**—This Rose has already made an impression as one of the grandest garden varieties introduced for years. It is of Japanese origin, and quite hardy, with strong shoots, that climb high in a season, or may be cut back into handsome bush form. The foliage is noticeably distinct and handsome, light glossy green, thick and leathery. The flowers are produced in great pyramidal panicles of brilliant crimson. As a decorative pot plant it is also strikingly effective.

**YELLOW RAMBLER.**—The hardiest yellow climbing Rose yet introduced. A worthy companion to the Crimson Rambler, White Rambler and Pink Rambler.

**BALTIMORE BELLE.**—Pale blush, shading to rose color; very double flowers in large clusters.

**GREVILLEA, OR SEVEN SISTERS.**—Flowers in clusters, opening a light rose color, changing to pure white.

**PRAIRIE QUEEN.**—Bright carmine pink; full globular flowers of fine size. A fine rose for all sections.

**TENNESSEE BELLE.**—Blush of good size, flowers in clusters.

**WHITE RAMBLER.**

**PINK RAMBLER.**

## **LILIES.**

**AURATUM (The Gold-Banded Lily of Japan.)**—Immense white flowers, each petal marked with a wide gold band and spotted with maroon; very sweet fragrance and free blooming. It is considered by many the finest lily in cultivation.

Large Bulbs, 15c. each. \$1.00 per dozen.

Extra Large Bulbs, 15c. each. \$1.25 per dozen.  
Mailed free.

**LILIUM SPECIOSUM RUBRUM.**—White, with rose centre. Each, 15c. \$1.00 per dozen.

**LILIUM SPECIOSUM ALBUM.**—Pure white. Each, 15c. \$1.25 per dozen. Mailed free.

**WHITE CALLA (Ready in July).** — The White Calla, or Lily of the Nile is a well-known plant of easy culture, and in winter is one of our best winter plants. To aid profuse blooming, keep them dormant from the middle of June to last of August, re-pot them in good rich soil, using a four to six-inch pot. Give water, light and heat in abundance, and the result will be most satisfactory.

Large Bulbs, 10c. each.  
By mail, 15c.

Extra Large Bulbs, 15c. each.  
By mail, 25c.



LILIUM AURATUM.



CALLA LILY.

## **Hardy Water Lilies.**

### **NYMPHAE ODORATA.**

The well-known, fragrant pond lily. Its lovely pure white flowers, so common in some localities, are worthy of a place among the choicest varieties where cultivated.

15c. each. 4 for 50c.  
\$1.25 per dozen.

### **PINK CAPE COD WATER LILY.**

It possesses all the desirable qualities of Nymphae Odorata. The flowers are of large size; cup-shaped; a lovely deep pink in color; delicious fragrance and free bloomer; a most desirable variety.

40c. each. \$3.50 per dozen.



### **NYMPHAE ODORATA GIGANTEA.**

This is a superb variety, and should be in every collection. Similar in all respects to Nymphae Odorata, but the flower is very large and full.

15c. each. 4 for 50c. \$1.25 per dozen.

### **NYMPHAE ODORATA MINOR.**

A pretty little variety of our native pond lily, equally as hardy and fragrant, but the flowers and leaves are much smaller.

15c. each. 4 for 50c. \$1.25 per dozen.

## BEGONIAS Tuberous Rooted.

THE Tuberous-Rooted Begonias are among the handsomest of our summer flowering bulbs. They are not grown to the extent they should be; they require no more care than Geraniums; have as fine a range of color, and will bloom continuously throughout the summer, even when Geraniums droop through lack of moisture and fail to unfold their flowers. Planted either in the rockery or flower border, they rival the Geraniums with their rich and varied colors, ranging from the most delicate shade of yellow and salmon to the most striking crimson and scarlet.

MIXED SINGLE. 10c. each. \$1.00 per dozen.  
MIXED DOUBLE. 25c. each. \$2.50 per dozen.



GLADIOLUS.

and an abundance of rich compost. Roots planted in the spring will make good growth in the summer, and in the fall they should be taken up and stored in a cellar. Leaves three feet or more in length and nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden.

FIRST SIZE BULBS.—5c. each. By mail, 10c. 50c. per dozen.  
EXTRA LARGE BULBS.—10c. each. By mail, 15c. \$1.00 per dozen.

## Fancy Leaved Caladiums.

These make grand plants in pots for the conservatory or greenhouse and are becoming more popular yearly. They also do splendidly in beds outdoors in a shady place and in rich, light, free soil. 20c. each. \$2.00 per dozen.

## GERANIUMS.

15c. each. 5 for 50c. \$1.00 per dozen. 30 for \$2.00.

AMERICA (NEW).—A great improvement on "Mars." Very rich pink, with white border around each flower.

Alphonse.  
Beaute Poitevine.  
Brant.  
Centaure.  
Double General Grant.  
Countess De Harcourt.  
Ivy Geraniums.

Gillian, H. Gill.  
General De Boisdeffere.  
John Doyle.  
La Pilote.  
La Favorite.  
Le Cid.  
Mme. Salleroy.

Mme. Langtry.

## TUBEROSES.

ONE of the most fragrant and popular of the summer flowering bulbs. May be started early in hot beds or pots, or planted in open ground after first day of May.

Each, 5c. Dozen, 25c. \$1.00 per 100.  
By mail, 35c. per dozen.

### Madeira Vine Roots.

Each, 5c. Dozen, 30c.



A. BLANC

## GLADIOLUS.

THE cultivation of the Gladiolus is very simple, as they will thrive in any good garden soil, but will amply repay one for careful cultivation. A succession of bloom may be had from July to September by planting at intervals from April to June.

If wanted by mail, add 10c. per dozen for postage.

OUR GLADIOLUS are from one of the largest growers in the country, and one who has the finest assortment to be had either in this country or Europe; therefore we claim them to be unexcelled as to quality.

MIXED (All Colors).—Dozen, 25c. \$1.25 per 100.

WHITE AND LIGHT COLORS.—Dozen, 30c. \$1.75 per 100.

EXTRA WHITE AND LIGHT VARIETIES.—All first-class varieties, made up largely from best-named sorts, including ten per cent. of Snow White.

10c. each. 50c. per dozen. \$3.50 per 100.

CHILDSI MIXED.—Extra large and fine.

50c. per dozen. \$3.25 per 100.

## CALADIUMS ELEPHANT'S EARS.

THE Caladium Esculentum is one of the handsomest of the ornamental leaved plants. It will grow in any good garden soil, and is of the easiest culture. To gain the best result it should be planted where it will obtain plenty of water,



CALADIUM ESCULENTUM.

DRYDEN (NEW).—Centre pure white, surrounded by a band of the most dazzling rosy scarlet, producing the "Aureole" effect.

Mme. Jaulin.  
Miss Frances Perkins.  
Marquesse de Montmort.  
Mme. Barney.  
Miss Kendall.  
S. A. Nutt.  
Jean Viand.

Granville.  
Jacquerie.  
L'Aube.  
Mrs. E. G. Hill.  
Mme. Bruant.  
Rose Scented.  
M. Canovas.

## VALUABLE INFORMATION.

### FUNGICIDES.

#### BORDEAUX MIXTURE.

Copper Sulphate . . . . .	6 pounds.
Quicklime . . . . .	4 pounds.
Water . . . . .	40-50 gallons.

Dissolve the copper sulphate by putting in a bag of coarse cloth and hanging this in a vessel holding at least 4 gallons, so that it is just covered by the water. Use an earthen or wooden vessel. Slack the lime in an equal amount of water. Then mix the two, and add enough water to make 40 gallons. It is then ready for immediate use, but will keep indefinitely. If the mixture is to be used on peach foliage, it is advisable to use an extra pound of lime to the above formula. When applied to such plants as carnations or cabbages, it will adhere better if about a pound of hard soap be dissolved in hot water and added to the mixture. For rots, molds, mildews, and all fungous diseases.

#### AMMONIACAL COPPER CARBONATE.

Copper carbonate . . . . .	1 ounce
Ammonia enough to dissolve the copper.	
Water . . . . .	9 gallons.

The copper carbonate is best dissolved in large bottles, where it will keep indefinitely, and it should be diluted with water as required. For the same purpose as Bordeaux Mixture.

#### COPPER SULPHATE SOLUTION.

Copper Sulphate . . . . .	1 pound.
Water . . . . .	15 gallons.

Dissolve the copper sulphate in the water, when it is ready for use. This should never be applied to foliage, but must be used before the buds break. For peaches and nectarines, use 25 gallons of water. For fungous diseases.

### INSECTICIDES.

#### PARIS GREEN. (Arsenites.)

Paris Green . . . . .	1 pound.
Water . . . . .	200-300 gallons.

If this mixture is to be used on peach trees, 1 pound of quicklime should be added. Paris Green and Bordeaux Mixture can be applied together with perfect safety. Use at the rate of 4 ounces of the arsenites to 50 gallons of the mixture. The action of neither is weakened, and the Paris Green loses all caustic properties. For insects which chew. If to be used in our little sprayers, this solution is too weak. Use the smaller quantity of water.

#### LONDON PURPLE.

This is used in the same proportion as Paris Green, but, as it is more caustic, it should be applied with two or three times its weight in lime, or with the Bordeaux Mixture. The composition of London Purple is exceedingly variable, and unless good reasons exist for supposing that it contains as much arsenic as Paris Green, use the latter poison. Do not use London Purple on peach or plum trees, unless considerable lime is added. For insects which chew.

#### HELLEBORE.

Fresh White Hellebore . . . . .	1 ounce.
Water . . . . .	2 gallons.

Apply when thoroughly mixed. This poison is not so energetic as the arsenites, and may be used a short time before the sprayed portions mature. For insects which chew.

#### KEROSENE EMULSION.

Hard Soap . . . . .	½ pound.
Boiling Water . . . . .	1 gallon.
Kerosene . . . . .	2 gallons.

Dissolve the soap in water, add the kerosene, and churn with a pump for 5 to 10 minutes. Dilute 10 to 25 times before applying. Use strong emulsion for all scale insects. For insects which suck, as plant lice, mealy bugs, red spider, thrips, bark lice, or scale. Cabbage worms, currant worms, and all insects which have soft bodies, can also be successfully treated.

## HOW AND WHEN TO SPRAY.

PLANT.	FIRST APPLICATION.	SECOND APPLICATION.	THIRD APPLICATION.	FOURTH APPLICATION.	FIFTH APPLICATION.
<b>Apple.</b> —(Canker worm, codling moth, bud moth, scab.)	Spray before buds start, using copper sulphate solution.	After the blossoms have formed, but before they open, Bordeaux and Paris green.*	Within a week after blossoms have fallen, Bordeaux and Paris Green.	10 to 14 days later, repeat.	10 to 14 days later, Bordeaux or weak copper sulphate.
<b>Bean.</b> —(Anthracnose.)	When blossoms appear, spray with Bordeaux.	10 days later, repeat.	10 to 14 days later, weak copper sulphate solution.	Repeat last, if necessary.	
<b>Cabbage.</b> —(Worms, aphids.)	When worms first appear, kerosene emulsion, or Paris green.	If worms or aphides are present, repeat if plants are not heading, using emulsion for aphids.	If aphides persist, or if worms reappear, use kerosene emulsion, if plants are not heading.	After heads form, use saltpeetre for worms, a teaspoonful to a gallon of water; emulsion for aphides.	Repeat if necessary.
<b>Carnation.</b> —(Rust and other fungous diseases.)	When planted out, dip in Bordeaux.	7 to 12 days later, spray plants with Bordeaux.	Repeat at intervals of a week or ten days until blossoms open.	While in bloom, spray every week with the dilute copper sulphate solution.	
<b>Cherry.</b> —(Rot, aphid, curculio and slug.)	Before buds start, use copper sulphate solution. For aphid, kerosene emulsion.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, if signs of rot appear, repeat.	10 to 12 days later, copper sulphate solution, WEAK.	Repeat if necessary.
<b>Currant.</b> —(Worms, mildew.)	As soon as worms are seen, Paris green.	If they reappear, repeat, adding Bordeaux for mildew.†	If worms still trouble, pyrethrum or hellebore.†		
<b>Gooseberry.</b> —(Mildew, worms.)	As leaves open, Bordeaux and Paris green.	In 10 to 14 days, repeat with both.	10 to 14 days later, sulphide of potassium on English varieties.	10 to 14 days later, repeat if necessary.	If mildew persists after crop is gathered, Bordeaux.
<b>Grape.</b> —(Flee-beetle, fungous diseases.)	Before buds burst, copper sulphate solution and Paris green.	When first leaves are half grown, Bordeaux and Paris green.	As soon as fruit has set, repeat.*	10 to 14 days later, Bordeaux mixture, if disease is present.	If necessary, very weak copper sulphate solution
<b>Nursery Stock.</b> —(Fungous diseases.)	When buds burst, Bordeaux.	Repeat at intervals.	of 10 to 14 days.		
<b>Peach, Apricot.</b> —(Leaf-curl, curculio, mildew and rot.)	Before budswell, copper sulphate solution.	As soon as fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 12 days later, repeat.	If rot persists, use very weak copper sulphate solution every 5 to 7 days.†
<b>Pear.</b> —(Leaf-blight, scab, psylla and codling moth.)	Before buds start, copper sulphate solution.	Within a week after blossoms fall, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 16 days later, Bordeaux.	10 to 16 days later, Bordeaux.†
<b>Plum.</b> —(Black knot, rot and all fungous diseases, curculio.)	As buds start, copper sulphate solution. Cut out knot and burn.	When fruit has set, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Weak copper sulphate solution, as is necessary.
<b>Potato.</b> —(Beetles, scab, blight.)	For scab, soak seed in corrosive sublimate solution (2 oz. in 16 gallons of water for 90 minutes.)	When beetles or their larvæ appear, Paris green (1 pound to 100 pounds of plaster.)	Repeat whenever necessary.	When blight of the leaves is accompanied by rot of the tubers, Bordeaux.	Repeat if necessary.
<b>Quince.</b> —(Leaf and fruit spot, rot.)	Before buds start, copper sulphate solution.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Bordeaux or copper sulphate sol., as is necessary.
<b>Raspberry, Black-berry.</b> —(Anthracnose, rust.)	Cut out badly diseased canes. Spray with copper sulphate solution before growth starts.	When new canes are one foot high, spray with Bordeaux mixture.	10 to 14 days later, weak copper sulphate solution.	When crop is gathered, remove old canes, thin new ones and spray with Bordeaux mixture.	
<b>Rose.</b> —(Mildew, black spot, red spider, aphid.)	Mildew: Keep heating pipes painted with equal parts lime and sulphur mixed with water to a paste	Black spot: Spray plants once a week with weak copper sulphate.	Red spider: Kerosene emulsion to under side of foliage.	Aphis: Kerosene emulsion.	
<b>Strawberry.</b> —(Rust.)	Just before blossoms open, Bordeaux and Paris green.	When fruit has set, Bordeaux* or weak copper sulphate solution.	As soon as berries are harvested, Bordeaux (if to be kept longer.)		
<b>Tomato.</b> —(Rot and blight, worms.)	When first fruits have set, Bordeaux.	If disease appears, repeat* or use weak copper sulphate solution.	If necessary, spray with weak copper sulphate solution.		
<b>Violet.</b> —(Blight red spider.)	When blight is first seen, weak copper sulphate. Kerosene emulsion for insects.	Repeat at intervals of 10 to 20 days, as necessary for blight.	NOTE.—Use kerosene emulsion, very weak.		

**EXPLANATION.**—Whenever an Asterisk (\*) is used it cautions against spraying with poisons while the plants are in blossom. A Dagger (†) indicates that there is danger of making an application within three weeks of the time the fruit is to be used as food.

## NURSERY DEPARTMENT.

### FRUITS.

#### SUMMER APPLES.

**YELLOW TRANSPARENT.**—Ripens among the earliest. July  
50c. each. \$4.80 per dozen. \$18.00 per 100.  
**STAR.**—One of the best. July.  
50c. each. \$4.80 per dozen. \$18.00 per 100.

#### AUTUMN APPLES.

**GRAVENSTEIN.**—August.  
50c. each. \$4.80 per dozen. \$18.00 per 100.  
**OLDENBURG** (Dutchess of Oldenburg.)—August.  
50c. each. \$4.80 per dozen. \$18.00 per 100.

#### WINTER APPLES.

**LANKFORD'S SEEDLING.**—A popular sort for late winter use.  
50c. each. \$4.80 per dozen. \$18.00 per 100.  
**YORK IMPERIAL, or JOHNSON'S FINE WINTER.**  
50c. each. \$4.80 per dozen. \$18.00 per 100.  
**STAYMAN'S WINESAP.**—A great Apple.  
50c. each. \$4.80 per dozen. \$18.00 per 100.

#### ADDITIONAL VARIETIES.

("S" means Summer. "A" Autumn. "W" Winter.)  
**Red Astrachan, S. Carolina Red June, S. Tetofsky, S. Fall Pippin, A. Smokehouse, A. Ben Davis, W. Bentley's Sweet, W. Berry Red, W. Fallwater, A. Wine-sap, W. Nansmond Beauty, W. Rome Beauty, W.**  
25c. each. \$2.50 per dozen. \$15.00 per 100.  
**CRAB APPLES.**—50c. each. \$5.00 per dozen.

#### PEARS.

**KOONCE.**—Medium to large, very handsome; surface yellow, one side covered with a bright carmine, containing brown dots; quality very good, spicy, juicy and sweet. The Koonce is a vigorous grower, free from blight, productive, and an annual bearer.  
50c. each. Three for \$1.25.  
**VERMONT BEAUTY.**—In color it is a rich yellow, with a beautiful bright carmine cheek. The fruit is of medium size, and the flesh is of the finest quality, being rich, juicy and aromatic.  
50c. each. Three for \$1.25.  
**GARBER.**—September and October.  
40c. each. \$4.00 per dozen. \$25.00 per 100.  
**KEIFFER.**—The old, well-known, reliable and paying variety.  
40c. each. \$4.00 per dozen. \$30.00 per 100.  
**FLEMISH BEAUTY, BARTLETT, SECKEL.**  
30c. each. \$3.00 per dozen. \$25.00 per 100.

#### DWARF PEARS.

**PRICES ON DWARF PEARS, 2 and 3 years, first-class:**  
25c. each. \$2.50 per dozen. \$15.00 per 100.  
The following varieties are the only ones that succeed well as dwarfs:  
**Angouleme, Anjon, Lawrence, Seckel, Manning's Elizabeth.**

#### PEACHES.

**CARMAN.**—Hardy, rot-proof. Ripens with Early Rivers; almost as large as Elberta. Pale yellow skin; flesh white. Melting, juicy. Ripens ahead of Mountain Rose.  
50c. each. \$4.80 per dozen.  
**ELBERTA.**—Needs no description.  
25c. each. \$3.00 per dozen.  
**ITALIAN DWARF.**—Very singular tree. Begins bearing when 12 to 15 inches high and seldom exceeds 3 or 4 feet. Fine for small yards. White; free-stone.  
25c. each. \$3.00 per dozen.  
**GOLDEN DWARF.**—Seldom grows over 4 to 5 feet. Very hardy; cling. Excellent eater. Fine for city yards.  
25c. each. \$3.00 per dozen.  
**Alexander, Louise, Yellow St. John, Mountain Rose, Early Silver, Crawford Early, Wheatland, Crawford Late, Chairs Choice, Family Favorite, Chinese Cling, Old Mixon, Reeve's Favorite, Christiana, Smock Free, Globe, Ringgold Cling.**  
18c. each. \$1.75 per dozen. \$12.00 per 100.

#### JAPANESE or ORNAMENTAL PLUMS

**HALE.**—Most vigorous tree of all the Japans. Fruit large; bright orange, mottled with cherry red. Superb in quality. Ripens middle of September.  
Price, \$1.00. Three for \$2.50.  
**WILLARD.**—Earliest of all Japan Plums, and hence very valuable for market.  
50c. each. Three for \$1.25.  
**WICKSON.**—Pit small; flesh tender, sweet and delicious. Season just following the Burbank Plum.  
50c. each. Three for \$1.25.  
Will sell one of each of above or the three in one order for \$1.50.

**BOTAN, OR ABUNDANCE.**—First of August.  
**BURBANK.**—September 1st.

The two above-named varieties, 60c. each. Three for \$1.50. Six for \$2.75. \$4.50 per dozen.  
**ADDITIONAL FRENCH AND AMERICAN VARIETIES, INCLUDING SHROPSHIRE DAMSON.**  
35c. each. \$3.50 per dozen.

#### CHERRIES.

**HEART.**—Black Tartarian, Gov. Wood, Napoleon Bigreau, Florence, Early Purple.  
**DUKE AND MORELLO.**—Dye House, Belle Magnifique, Early Richmond, Montmorency.  
Price, 50c. each. \$5.00 per dozen.

#### APRICOTS.

**HARRIS.**—Very hardy; blooms late; sure bearer; fine golden yellow. 50c. each. \$4.80 per dozen.  
**RUSSIAN VARIETIES AND NECTARINES.**  
25c. each. \$2.50 per dozen.

#### NUT-BEARING TREES.

**Spanish Chestnut, English Walnut, Paper Shell Pecan, Filberts, Shell Barks, Hard and Soft Shell Almonds.**  
Price, 40 and 50c. each, according to variety.  
**JAPAN CHESTNUT.**—\$1.00 each. \$10.00 per dozen.

#### GRAPES.

The following list contains the best-known sorts of hardy American varieties:  
**OHIO, Black.**—One of the very best sorts. Two years old.  
25c. each. \$2.50 per dozen.  
**Brighton, Red. Concord, Black. Delaware, Red. Martha, White. Worden, Black.**—Two years old.  
25c. each. Twelve for \$2.50.  
**Moore's Early, Black. Niagara, White. Pocklington, White. Vergennes, Red.**—30c. each. \$3.00 per dozen.  
**Campbell's Early.**—50c. each. \$5.00 per dozen.

#### SELECT QUINCES.

**CHAMPION** (3 to 4 feet).—35c. each. \$3.00 per dozen.  
**CHAMPION** (2 to 3 feet).—30c. each. \$2.50 per dozen.  
**MEECH PROLIFIC** (3 to 4 feet).—35c. each. \$3.00 doz.  
**MEECH PROLIFIC** (2 to 3 feet).—30c. each. \$2.50 doz.

### ORNAMENTALS.

#### DECIDUOUS TREES.

Can furnish any of the Deciduous Trees at 50c. to 75c. each, and larger quantities in proportion.  
**SPRUCE** (2 to 2½ feet).—50c. each. \$5.00 per doz.  
**FIRS** (2 to 2½ feet).—75c. each. \$7.50 per dozen.  
Other Varieties in Proportion.  
**MAGNOLIA, GRAND** (2 to 3 feet).—\$1.25 each.

#### SHRUBBERY.

**JAPAN MAPLES.**—Mostly dwarf habit; several kinds weeping and cut-leaved, with brightly-colored foliage, red, purple, etc. These are indeed remarkable for beauty, and wherever planted give perfect satisfaction. \$1.50 each.  
**DEUTZIA GRACILIS.**—75c. each.  
**DEUTZIA CRENATA.**—75c. each.  
**LILAC** (White and Blue).—75c. each.  
**SPIREA, RIEVESII.**—75c. each.  
**SPIREA, BUMALDO.**—75c. each.  
**SPIREA, CALOSA ALBA.**—75c. each.  
**HYDRANGEA, PANICULATA GRAND.**—75c. each.  
**GRAPE MYRTLE.**—\$1.00 each.

#### VINES.

**AKEBIA QUINATA.**—50c. each.  
**AMPELOPSIS VEITCHII.**—50c. each.  
**ENGLISH IVY.**—50c. each.  
**WISTARIA PURPURA.**—50c. each.  
**WISTARIA ALBA.**—50c. each.  
**CLEMATIS** (Large Flowering).—50c. each.  
**CLEMATIS** (Small Flowering).—50c. each.

#### HEDGE PLANTS

**CALIFORNIA PRIVET:**  
One Year—\$4.00 per 100. \$35.00 per 1000.  
Two Years—\$5.00 per 100. \$40.00 per 1000.  
**OSAGE ORANGE:**  
One Year—75c. per 100. \$7.50 per 1000.  
Two Years, \$1.25 per 100. \$10.00 per 1000.  
**AMERICAN ARBORVITAE:**  
12 to 18 Inches—25c. each. \$2.50 per 100.  
2 to 3 Feet.—75c. each. \$22.50 per 100.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

# GRIFFITH & TURNER CO.

## STRAWBERRY PLANTS.

Varieties Marked "P" Should Have Another Perfect Flowering Sort Near Them.

WE offer a nice stock of Strawberry Plants of all the leading varieties, and at low prices, considering the quality of the stock. We can supply them at short notice, freshly dug and shipped direct from the nursery.

**JESSIE.**—Mid-season; good size and productive.

**RIO.**—A recent berry that is very highly recommended. Rich, glossy color, medium size, and very prolific.

**NICK OHMER.**—Mid-season. This is probably not surpassed in healthy, vigorous growth and great productiveness. Fruit large, glossy red, of excellent flavor.

**MARSHALL.**—Medium to late in season.

**BEDERWOOD.**—Early and of medium size.

**DAYTON.**—Early, unexcelled.

**GREENVILLE (P).**—Mid-season.



**GLEN MARY NEW.**—A very large variety; larger than Sharpless or any other berry. In quality it is equal to the best, and surpasses even the Crescent for productiveness in quarts of berries. At its home, in Chester County, Pa., it begins to ripen about May 28. Everyone should try this excellent variety.

**CLYDE.**—Among new varieties, possessing points of excellence, Clyde stands first on the list. Fruit large, firm and of light scarlet color.

**NEW LADY FINGER.**—A very long berry of beautiful appearance and very valuable because of its habit of holding good size to the end of the season. In season from medium to very late.

**WILLIAM BELT.**—The fruit is exceptionally large, of brilliant red color, and of extra fine quality. It is a good shipper.

**PARKER EARLE.**—This is a large sort, of wonderful productiveness. Late.

**BRANDY WINE.**—Very late, strong grower; productive.

**TIMBRELL (P).**—Very large, bright red color.

**TENNESSEE PROLIFIC.**—Large, sweet, firm.

**LADY THOMPSON.**—Medium to late.

**H. W. BEECHER (P).**—Mid-season.

**GANDY.**—Late. Fine for canning.

**MICHEL'S EARLY.**—Very early.

**BUBACH (P).**—Medium to late.

**MEER'S EARLY.**—Very early.

**SHARPLESS.**—Old reliable.

### AN EXCELLENT FAMILY COLLECTION.

**MICHEL'S EARLY.** **GLEN MARY.**

**LADY FINGER.** **SHARPLESS.**

75c. per 100, or 100 of each for \$2.00.

**PRICE:** Any of the above Varieties, Strong, Healthy Layers, 25 Cts. per Doz.; 75 cts. per 100; \$4.00 per 1,000.

**POT-GROWN PLANTS** will be ready for delivery after August 1st. Prices for pot-grown plants are from \$3.00 to \$4.00 per hundred, according to variety.

## Raspberries.



KANSAS (Black Cap).

KANSAS (Black Cap).

IT possesses all the valuable attributes of a profitable market sort, and its large size and handsome appearance insures for it always a ready sale and good prices. The fruit is handsome, firm and of fine quality. Its canes are of strong growth, entirely hardy and prolific, with tough, healthy, clean foliage. Its season is about second early—later than Souhegan, but earlier than Gregg. By reason of its greater hardiness it is a great improvement upon the Gregg.

75c. per dozen. \$3.50 per 100.

**MILLER RED.**—Fruit size of Cuthbert; bright red; does not fade; core very small; ripens very early; heavy bearer; best shipper.

75c. per dozen. \$3.50 per 100.

**MUNGER.**—Resembles Gregg, but much finer. One of the best of the black caps. Perfectly hardy.

75c. per dozen. \$3.50 per 100.

**GOLDEN QUEEN, CUTHBERT, OHIO AND SOUHEGAN.**

50c. per dozen. \$3.00 per 100.

## BLACKBERRIES.

**ELDORADO.**—Berries very large; jet black; sweet, melting; no hard core; splendid keeper and shipper.

75c. per dozen. \$3.50 per 100.

**WILSON, JR.**—Very early. **ERIE.**—Early.

**EARLY HARVEST.**

**LUCRETIA (Dewberry.)**—As early as Early Harvest and as large as Wilson. Plant is entirely hardy, healthy, strong grower and very productive.

Any of the above, 50c. per dozen. \$3.50 per 100.

By express.

## GOOSEBERRIES.

**DOWNING.**

Price—Two-year-old, 75c. per half-dozen, \$1.50 per dozen, \$5.00 per 100, by express.

**HOUGHTON'S SEEDLING.**

Price—50c. per half-dozen, \$1.00 per dozen, \$5.00 per 100, by express.

**JAPAN HARDY ORANGE.**  
(Citrus Trifoliata.)

A NEW hardy Orange. Has of late created quite a sensation North from the fact that it is perfectly hardy; it blooms and fruits profusely in the parks of Philadelphia and New York. To have a fruiting Orange tree in your garden is certainly something to be proud of; its large, white, sweet-scented flowers are produced in the greatest abundance before the fruit appears. Well adapted for hedges, making a close, compact growth that nothing can penetrate. Such a hedge when in bloom and fruit is certainly one of the greatest sights to be seen. Fruit small, bright orange red in color, has a peculiar flavor, fine for preserving.

Price—Three years, by freight or express, 50c. each, \$3.50 per dozen, \$15.00 per 100.

## CURRENTS.

**CHERRY.**

Price—60c. per half-dozen, \$1.00 per dozen, \$6.00 per 100, by express.

**FAY'S PROLIFIC.**—The best Red Currant. Strong grower, wonderfully productive, and comes to bearing young; fruit large, bright red, and good quality.

Price—75c. per half-dozen, \$1.25 per dozen, by express.

**WHITE GRAPE.**

Price—60c. per half-dozen, \$1.00 per dozen, \$5.00 per 100, by express.

## JAPAN WINEBERRIES.

This fruit is but little known, but should be in every garden. It is wonderfully productive. At this date, June 20, our beds are one solid mass, about three feet high, and covered all over the top with fruit as thick as clover in blossom. Price—\$2.00 per dozen, by express.



ORANGE (Hardy).

FOR SPRAY GOODS, SEE PAGES 68 TO 71, AND FOR FUMIGATOR, SEE PAGE 70.

## Horticultural Tools and Supplies.

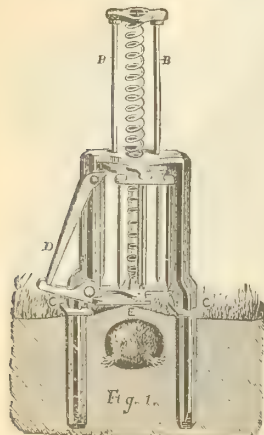


Fig. 1



Fig. 4



Fig. 5



Fig. 6



Fig. 7

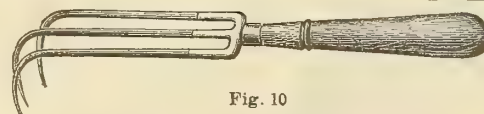


Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 16



Fig. 2



Fig. 3



Fig. 8

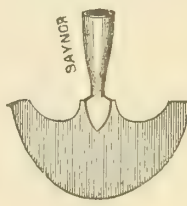


Fig. 9



Fig. 15

### L. M. Olmstead's Improved Reliable Mole Trap.

Fig. 1

NO CHEAP TRAP SO GOOD.  
NO GOOD TRAP SO CHEAP.

Springs are furnished to operate the trap. The spring can be readily attached and detached.

This trap is constructed entirely of steel and iron. Each trap is packed in a strong paper box, one dozen in a case.

Price.....\$1.50

### The Model Mole Trap.

Fig. 2

This, while possessing all the good qualities of other traps, is especially adapted for setting under glass.

Price.....\$1.75

### G. & T. Mole Trap.

This is a good Mole Trap for the money.

Price.....\$1.00

### Out of Sight Mole Trap.

Considered to be one of the best and cheapest Mole Traps on the market.

Especially valuable for hot-beds and frames on account of its convenient size.

Price.....\$1.00

### The Little Giant Mole Trap

Self setting by pressing down on lever. Very convenient feature found on no other trap. Made from Best Spring Steel, thoroughly Galvanized. Simple and durable in its construction. 75c.

### Garden Reels.

Fig. 3

Small Size.....\$ .75

Large Size.....1.00

### Excelsior Weeder.

Fig. 4

Price, 10c.; mailed, 15c.

### Large Hand Weeder.

Fig. 5

Large Size.....15c.

Small Size.....10c.

By mail, 10c. extra.

### Dibbles.

For transferring plants. By far the best thing for the purpose ever introduced.

Fig. 6

Straight, made of Tubular Steel.....75c.

Fig. 7

Right-angle shape, Steel-Polished, Wood Handle.....40c.

### Scuffle Hoes.

Fig. 8

4 inches.....50c.

6 inches.....60c.

8 inches.....70c.

10 inches.....80c.

### Edging Knives.

Fig. 9

9 in. American.....\$ .50

8 in. Eng. Black.....1.10

8 in. Eng., all Bright.....1.25

9 in. Eng. Black.....1.25

9 in. Eng., all Bright.....1.50

10 in. Eng. Black.....1.50

10 in. Eng., all Bright.....1.75

### Garden Trowels.

Fig. 11

This cut represents one of the best Trowels ever offered to the trade. It is made of forged steel, strong and durable. English, 6-inch, 40c.; 7-inch, 50c.; American, No. 3090, 35c. Cheap wood handle Trowels, 5 and 10 cents each. If Trowels are wanted by mail, send 10c. additional for postage.

### Eureka Hand Weeder.

Fig. 10

A very handy and useful little instrument. Short handle, 25c.; long handle, 35c.

### Cleves' Trowel.

Fig. 12

The New Garden Implement. Each.

No. 1—Standard, 9-in. blade, 25c.; mailed, 35c.

No. 2—Medium, 7-in. blade, 20c.; mailed, 30c.

No. 3—Daisy, 5-inch blade, 15c.; mailed, 20c.

### All-Steel Trowel.

Fig. 13

Very strong and durable. Price, 15c. Full Tinned Malleable Trowel, 10c. Mail, 10c. extra.

### Grass Hooks.

Fig. 14

American.....25c.

German, No. 0, 20c.; No. 1, 25c.; No. 2, 35c.

Best Eng. Grass, No. 2, 40c.; No. 3, 50c.

Best Eng. Hedge Hooks, No. 4, 60c.

Best Eng. Hedge Hooks, No. 5, 75c.

### Thermometers.

Fig. 15

Tin Japanned, 7-inch.....\$ .15

10-in. Distance Reading Thermometer......25

Boxwood, fine finish, red spirit.....1.00

Plain metal, brass finished......50

Porcelain scale, red spirits.....1.00

Dairy or hot-bed, glass, floating......25

Glass, floating, large......50

8-in. Dairy, stands boiling water......50

Mushroom bed, or hot bed, with brass end, 1.00

Mushroom bed, or hot-bed, with brass end, extra good.....1.50

New Incubator Thermometer......75

Stands in tray between the eggs and can be read without opening drawer.

By mail, add 5 cents each.

### Novelty Lifting Weeder.

Fig. 16

A Chisel Blade cuts off the weeds; the trigger holds them so they can be pulled out. Each, 75c.

## Horticultural Tools and Supplies

Continued.



Fig. 17

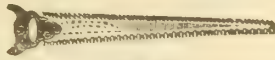


Fig. 20



Fig. 21



Fig. 22

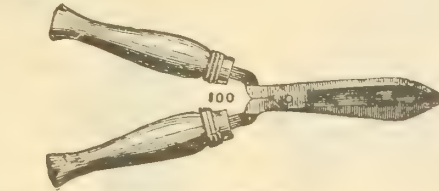


Fig. 26

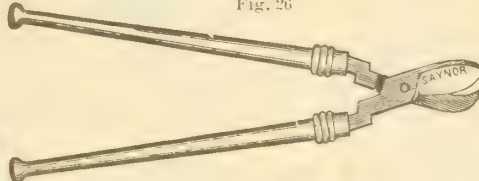


Fig. 27



Fig. 31



Fig. 18



Fig. 19



Fig. 23



Fig. 24

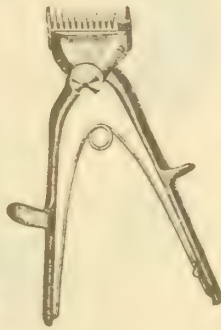


Fig. 25



Fig. 28



Fig. 29



Fig. 30

**Waters' Tree Pruners.** Fig. 17

4 feet long.....	\$ 75
6 feet long.....	85
8 feet long.....	95
10 feet long.....	1.00
12 feet long.....	1.10
14 feet long.....	1.25
16 feet long.....	1.40

Extra knives, 20 cents.

**Grass Edger.** Fig. 18

Price without wheel.....	\$2.25
Price with wheel.....	2.75

**Horse Shears.** Fig. 19

Bent Handle, No. 1087.....	50c.
Curved Handle, No. 1090.....	60c.

By mail, add 15c.

**Horse Scissors.**

No. 9162, extra fine.....	\$1.25
---------------------------	--------

By Mail, add 15c.

**Pruning Saws.** Fig. 20

16 inch.....	70c.
18 inch.....	80c.
20 inch.....	90c.
Saw and chisel, combined.....	\$1.10

**Pruning Shears.** Fig. 21

Solid Steel, full polished.....	\$1.00
Solid Steel, half polished.....	75c.
Solid Steel, ordinary polished.....	50c.
No. 33, Malleable with steel blade.....	50c.
6 inch Ladies, nickle plated.....	75c.

**New Vineyard Pruning Shears.**

These have been recently introduced among the vineyardists and have met with great favor.

Price.....	\$1.25
------------	--------

**Pruning Knives.** Fig. 22

Prices.....	No. 126, 50c.; No. 2173, 65c.
-------------	-------------------------------

**Budding Knives.**

Prices.....	No. 12, 75c.; No. 10, \$1.00
-------------	------------------------------

**Telegraph Tree Pruners.**

Price, without pole.....	\$1.15
Extra blades.....	20c.
Little Giant Pruning Hook and Saw.....	1.75
Extra springs.....	25c.

**Lawn Shears.** Fig. 23

2 wheels, 8 in blade, for cutting on narrow borders, under fences and shrubs.....	\$2.75
---	--------

**Grass Shears.** Fig. 24

Bent Handle, No. 360.....	35c.
Trowel Handle, No. 460.....	50c.

Mail, add each 15c.

**Horse or Dog Clippers.** Fig. 25

Very handy about a horse; also for clipping dogs.

Mascot Clipper.....	\$1.00
Stewart Clipper.....	\$1.00
Nickel plated, each.....	1.75
Top plate, each.....	75c.
Bottom plate.....	1.00
Spring.....	15c.

**Lopping Shears.** Fig. 26

Balto, Draw Cut Lopping Shears.....	\$2.50
American Shears, No. 1.....	90
American Shears, No. 2.....	1.25
American Shears, No. 5.....	1.00

**Hedge Shears.** Fig. 27

8 inch.....	\$1.25
10 inch.....	\$1.75
12 inch.....	2.25

With Notch, 25 cents extra.

**Asparagus Knife.** Fig. 28

Made of solid steel.....	25c.
By mail.....	35c.

**Asparagus Buncher.**

Price.....	\$1.50
------------	--------

**Sheep Shears.** Fig. 29

No. 3749.....	\$5c.
No. 3755, full polished.....	\$1.00

By mail, add 15 cents.

**Flower and Grape Scissors.** Fig. 30

Flower Scissors.....	75c.
Grape Scissors.....	65c.

5 cents extra for postage

**Fruit Picker.** Fig. 31

First-class for picking fruit, particularly when wishing to select ripest without interfering with immature specimens. Price.....

	50c.
--	------

**Scythes.**

American, cheaper grade.....	60c.
Best American.....	75c.
Bush or Brier Scythes, American.....	75c.
English T. Waldron, 36 in.....	\$1.35
38 in.....	\$1.40
40 in.....	\$1.45
American Grain.....	\$1.00
English Waldron Grain, 50 in.....	\$1.75
52 in.....	\$1.80
54 in.....	\$1.90

**Scythe Stones.** Fig. 32

No. 1—Willoughby Creek.....	10c. each, \$1.00 per doz.
No. 2—White Mountain.....	10c. each, \$1.00 per doz.

These are far superior to Darby Creek and not so easily broken.

No. 3—Green Mountain.....	8c. each, 75c. per doz.
No. 4—Indian Pond No.2, (red end).....	5c. each, 50c. doz.
No. 5—Mowing Machine (beveled).....	10c. each.
No. 6—Darby Creek.....	10c. each, \$1.00 doz.
Cigar Emory.....	10c. each, \$1.00 doz.
No. 7—Imported English Talacre.....	20c. each.

None genuine unless labeled Sir Piers Mostyn Talacre Quarries.

**Wire Pliers.**

Combination Wire Pliers.....	\$1.50
Fence Wire Cutters.....	8 in. 50c.; 10 in. 75c.

## **FLORIST and GARDEN SUPPLIES**

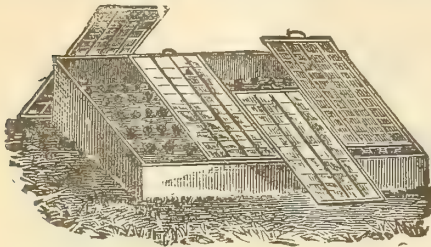


Fig. 33

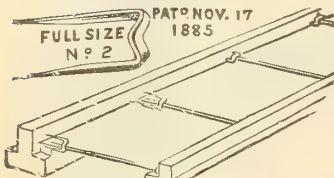


Fig. 34



Fig. 35

### **Unglazed Hot-Bed Sash.**

Fig. 33

3x6 feet. Price.....85c.

### **Van Reyper's Glazing Points.**

Fig. 34

The finest glazing points on the market. The glass cannot slip; they are quickly and easily put in with special pincers; no "rights" and "lefts" to bother with.

Price, per box of 1,000, 60c., or by mail, 75c. Price, in lots of 5,000, by express, 55c. per 1,000.

Pincers, price, per pair, 50c., or by mail, 60c.

Fig. 35

Made of strong Burlap, interlined with wool.

Price, 40x76...85c. each; \$9.25 per doz.

Price, 76x76, \$1.15 each; \$12.50 per doz.

### **Rattan Hot-Bed Mats.**

These are the most durable yet introduced, and will probably supersede all others when their merits are known. Size, 72x74 in., covering two frames.

Price.....\$1.75 each; \$20.00 per doz.

### **Plant Bed Cloth.**

A cheap substitute for glass, and will keep out many degrees of frost. Also useful for shading material. Samples mailed on application.

Light grade, 4c. yd. Piece of about 65 yds., 37c. yd.

Medium grade, 8c. yd. Piece of about 60 yds., 7c. yd.

Heavy grade, 11c. yd. Piece of about 40 yds., 10c. yd.

### **Plant Sprinklers.**

Fig. 33—For sprinkling cut flowers, seedlings, plants, clothes, etc.

Medium size, 60c. Large size, 85c. and \$1.00

By mail, 10 cents extra.

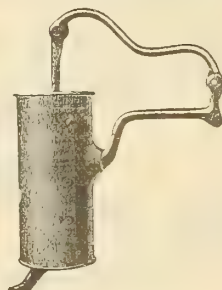


Fig. 36



Fig. 37



Fig. 38

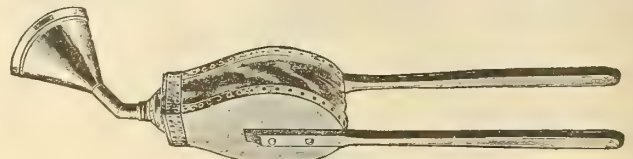


Fig. 41

### **Mastica Glazing Machine.**

Fig. 36 Price, \$1.25

**MASTICA.**—For Glazing Greenhouses, Sashes, etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

"Mastica," when applied, in a few hours forms a skin or film on the entire mass, hermetically sealing the substance and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years. "Mastica" is of great value in going over old houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the expense of relaying the glass.

Price, ½ gal.....\$ .70

" 1 gal.....1.25

" 5 gal.....5.75

### **Putty Bulbs—Large Size.**

Fig. 37. Price, 90c. Price by mail, \$1.00

### **Grafting Wax.**

¼ lb., 10c. ½ lb., 20c. 1 lb., 35c.

### **Sphagnum Moss.**

For Packing Growing Orchids, Plants, Trees, &c.

Per bale.....\$2.50

### **Stable Brooms.**

For Stables, Lawns and Walks.

Price, with handle.....60c.

### **Raffia.**

The Best Material for Tying Plants, Vines, &c.

Per lb.....20c. Ten lbs.....\$1.50

SILKALINE, spool.....20c.

### **Ironlad Watering Pots.**

With Adjustable Nozzles.

Fig. 39

4-qt.....45c. 10-qt.....60c.

6-qt.....50c. 12-qt.....65c.

8-qt.....55c. 16-qt.....75c.

WOTHERSPOON MAKE.

6-qt., \$1.75 8-qt., \$2.00 12-qt., \$2.50

### **Cane Stakes.**

5 to 7 ft. long...Per 100, \$1.00. Per 1,000, \$6.50

### **Fig. 40 Brass Garden Syringes.**

No. A, Barrel 12-in. long, 1 spray and 1 stream rose.....	\$2.25
" 12, Barrel 13 in. long, 1 coarse and 1 fine spray and one stream rose.....	3.75
" 2, Two sprays, rose and jet, 14½x 15-16 inches.....	4.25
" 10, Barrel 18 in. long, 1 coarse and 1 fine spray and 1 stream rose with patent valves and elbow joint....	6.00

Fig. 41 Aeme Powder Gun. See Page 71

### **Pot Labels.**

	Plain.	Painted.
3½ inch, per 1,000.....	\$ .45	\$ .60
4 " " ".....	.50	.65
4½ " " ".....	.55	.70
5 " " ".....	.65	.90
6 " " ".....	.75	1.00
12 inch, per 100.....	50 cents.	

### **Painted Tree Labels.**

3½ in., Notched or Pierced.....	65c. per 1,000
3½ in., Iron Wired.....	75c. per 1,000

### **Light Plant Stakes.**

	Each.	Per Doz.	Per 100
1½ feet.....	\$.02	\$.15	\$ .80
2 feet.....	.03	.25	1.40
2½ feet.....	.05	.38	2.00
3 feet.....	.05	.46	2.75

### **Heavy or Dahlia Stakes.**

	Each.	Per Doz.	Per 100
3 feet.....	\$.06	\$.67	\$3.85
4 feet.....	.08	.88	5.15
5 feet.....	.10	1.10	6.40

### **Unpainted Stakes or Dowels.**

Long.	Diameter.	Per Doz.	Per 100	Per 1,000
36 inch.....	¼ inch.....	\$ .15	\$ .75	\$4.50
42 inch.....	¾ inch.....	.20	.85	5.00
44 inch.....	¾ inch.....	.25	.90	6.00

### **Galvanized Hard Steel Plant Stakes.**

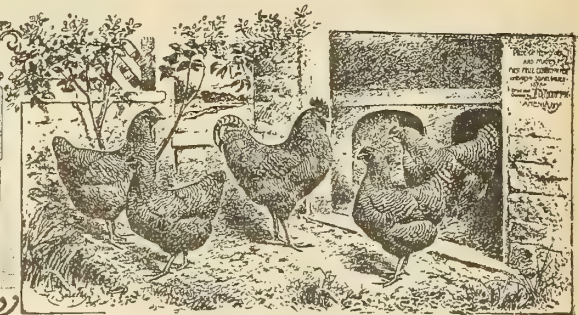
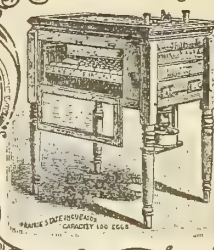
These are a great improvement over wooden stakes for Carnation and Rose beds; they are durable, neat, strong.

	Per 100, \$	Per 1,000, \$	Per 5,000, \$
2½ feet long, per 100, \$	.65	6.50	32.50
3 " " ".....	.75	7.50	37.50
3½ " " ".....	.90	9.00	45.00
4 " " ".....	1.00	10.00	50.00
5 " " ".....	1.20	12.00	60.00



# GRIFFITH & TURNER CO

## FOR THE POULTRY YARD



### PRAIRIE STATE INCUBATORS AND BROODERS.

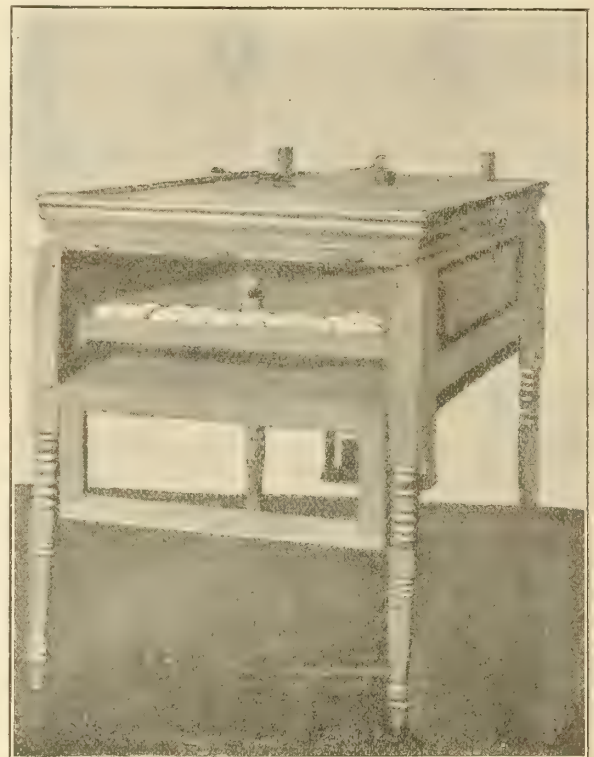
PRICES ON PRAIRIE STATE INCUBATORS AND BROODERS have been considerably reduced. Every machine is constructed of the very best material, finely finished, self-regulating, having automatic turning tray which is a very strong feature, and all machines are built over the same pattern. One machine will do just as good work as another, and no one need hesitate to send us an order for any style or size that the Company manufactures. We warrant the machines first-class in every respect, and if the purchaser finds they are not as we advertise, they are at liberty to return them and we will refund the money.



No. 2 Baby, 100 Eggs.

#### PRICE LIST OF INCUBATORS.

Capacity.	Weight, Crated.	Price.
No. 1, Baby, 50 Eggs.	45 lbs.	\$ 6.00
No. 2, Baby, 100 Eggs.	70 lbs.	10.00
No. 1, Style A, 150 Eggs.	170 lbs.	20.00
No. 2, Style A, 210 Eggs.	215 lbs.	26.00
No. 3, Style B, 300 Eggs.	240 lbs.	32.00
No. 1, Style B, 150 Eggs.	150 lbs.	15.00
No. 2, Style B, 210 Eggs.	195 lbs.	22.00
No. 3, Style B, 300 Eggs.	240 lbs.	25.00
Special Duck, 200 Eggs.	200 lbs.	32.00



Style A. Incubator.

Prairie State Thermometers special tested. Metal, 75 cts.; postpaid. Burners for No. 1 Incubator 1 amp, 25 cts., postpaid; for Nos. 2 and 3 Lamps, 35 cents, postpaid. Lamps for No. 1 Incubators, 65 cts.; for No. 2, 75 cts. Egg fester, 35 cts., postpaid. Brooder Lamps, 75 cts.

#### " Style C. Hot-Air Outdoor Brooder.



#### STYLE C, HOT-AIR OUTDOOR BROODER.

Has all the convenience of the Hot-Water Brooder. Is rat, rain and storm proof. Capacity. Weight, Crated. Price.

No. 1.....100 Chicks.	125 lbs.	\$12.00
No. 2.....150 "	185 "	16.00

#### STYLE D, HOT-AIR INDOOR BROODER.

The simplest and cheapest on the market.

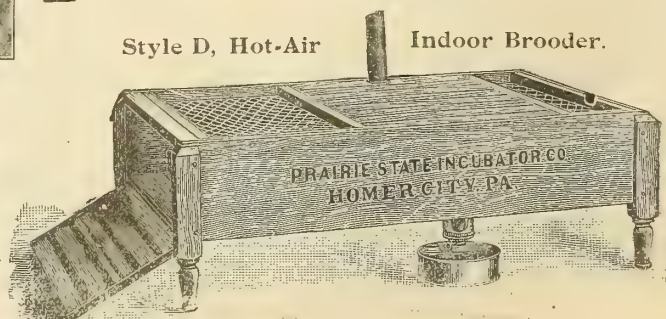
No.	Capacity.	Weight, Crated.	Price.
No. 1.....	80 Chicks.	60 lbs.	\$7.00
No. 2.....	125 "	85 "	9.00

#### STYLE A, HOT-AIR BROODER, WITH RUNS.

(Self-Regulating Top and Bottom Heat.)

No.	Capacity.	Weight, Crated.	Price.
No. 1.....	100 Chicks.	100 lbs.	\$13.50
No. 2.....	200 "	120 "	18.00

#### Style D, Hot-Air Indoor Brooder.





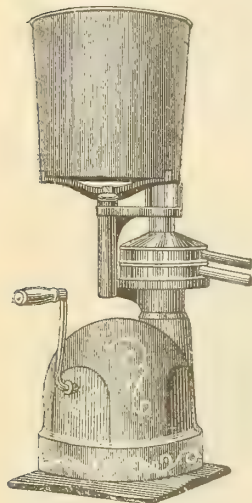




## **THE DAIRY } SHARPLES' Cream Separators.**

### **"Buttercup" Hand Separator.**

Capacity, 175 Pounds Per Hour.



This new tubular bowl machine fully meets the demand for a practical and efficient Separator of less capacity than our other sizes and at a correspondingly lower price.

The materials and construction employed in this machine are of the best quality, and it can be easily run to its full capacity with one hand by a woman or child.

Points of Superiority of the Buttercup over any other small hand Separator are as follows:

Simplicity of construction and consequent durability.

Phosphor-bronze gear instead of common brass as used in some other kinds.

Great reserve capacity (as by speeding up the machine the quantity separated can be increased fully fifty per cent).

Simple bowl construction, admitting of perfect cleaning in a few moments.

Greater separating capacity in proportion to price than any other machine on the market.

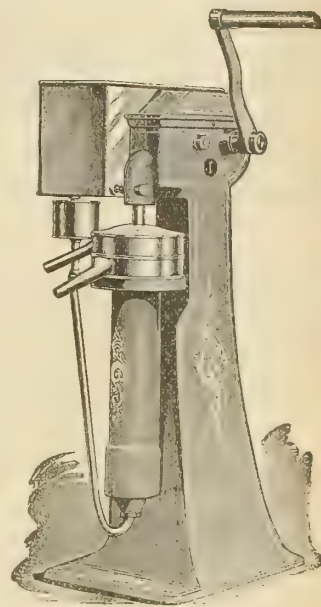
### **Tubular Hand Separator.**

Suspended Bowl, Bottom Feed, Low-down Supply Can, Easy Running, No Discs.

These tubular dairy machines mark a new era in the construction of Dairy Cream Separators.

The bowl of the 650 pound machine is only 2½ inches in diameter and weighs less than seven pounds, including every revolving part, and requires even less power to run it at its full capacity than any 300 pound per hour hand machine in existence.

The scientific production of centrifugal force in its highest degree is attained by the use of our tubular bowl, by which means results are secured that have hitherto been impossible with any Separator ever made. All the objectionable features of discs, cones, cylinders and other devices introduced in the bowl to facilitate separation, together with their attendant expense and maintenance, and the great amount of time and work required to clean and keep in perfect working order are forever done away with in the tubular bowl, and by reason of its small size and light weight the power necessary to run it to its fullest capacity is reduced to a minimum. NO DISCS, PLEASE REMEMBER.



### **THE W H S Hand Separator.**

Capacity, 300 Pounds of New Milk Per Hour, Price \$75. Is Furnished Complete, Without Legs or Table.

This machine is fully equal in every respect to any \$100.00 machine of any other make.

Power Machines are described in a little booklet which we will be glad to forward free on application.

### **PRICES.**

Buttercup No. 1, capacity 175 lbs. per hour.....	\$ 50.00
No. 2, "          265 "          "          ".....	65.00
W H S Hand, "          300 "          "          ".....	75.00
No. 1 Safety, Hand, "          325 "          "          ".....	100.00
No. 4 Tubular, "          450 "          "          ".....	100.00
No. 6 "          650 "          "          ".....	125.00
No. 9 "          875 "          "          ".....	150.00
Pulley Power Attachment (extra).....	2.50

### **PURITY OF PRODUCT.**

you wish to term it so, is left in the milk or cream.

THERE is no subject receiving more attention at present among bacteriologists than disease germs existing in milk; especially is this true of the tubercular or consumptive germs.

It is a recognized fact that in milk set by the gravity system, all of the bacteria matter or filth, if at the quantity of dirty, slimy, sickening matter that is washed off the parts. Especially may this fact be noted with the SHARPLES' SEPARATORS.

Contained in this filth are the disease germs that one has been pouring into his system, unconsciously bringing disease and death on himself, his family or his friends. Some physicians are advocating separator milk as preferable to mother's milk for young babies.

### **Aquatic Cream Separator.**

A NEW SEPARATOR to separate cream from milk by the application of the dilute process—which intensifies gravity and greatly increases the specific gravity, making a more thorough separation. With this Separator you can secure your cream in two hours' time, and for the rapid and clear separation it has advantages over anything in this line which has ever been offered to the dairymen of this country.

The milk goes direct from the cow into the Separator, and you don't have to bother to get the milk to any certain temperature in order to get out the cream quickly. The cream obtained from the milk is uniform, most free from taints, smooth and sweet. This new Separator has no cranks to turn, no machinery to run and keep in order, no repairing expenses, and will get the cream in 30 to 60 minutes' time. All that is required is ordinary well water.

By using this Cream Separator the separating may be done in any convenient place, as the milk goes direct from the cow to the Separator. No machinery to run or look after. NO ICE REQUIRED. No chemicals used. Will run itself while you are doing other work. Within 30 to 60 minutes the cream is all raised, you turn the faucet, draw off the milk, then the cream, wash the Separator, and the job is done.

To supply the increasing demand for Separators that will separate one cow's milk just as well as it will four, we have added No. 1, which sells for \$7.

### **Price List of Aquatic Cream Separators.**

No. 0, capacity 7 gallons for 1 to 2 cows, 60 lbs. milk per day.....	\$ 5.00
No. 1, capacity 11 gallons for 2 to 4 cows, 100 lbs. milk per day.....	7.00
No. 1½, capacity 15 gallons for 3 to 4 cows, 150 lbs. milk per day.....	8.00
No. 2, capacity 30 gallons for 5 to 7 cows, 200 lbs. milk per day.....	9.00
No. 3, capacity 50 gallons for 8 to 15 cows, 400 lbs. milk per day.....	11.00

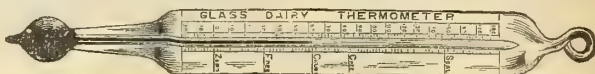
Directions Furnished With Each Separator.

### **Floating Glass Thermometers.**

Price, 25 Cents Each.

Eight-inch Dairy Thermometer, stands boiling water.

Price, 50 Cents Each.



### **Rice's Calf Weaners**

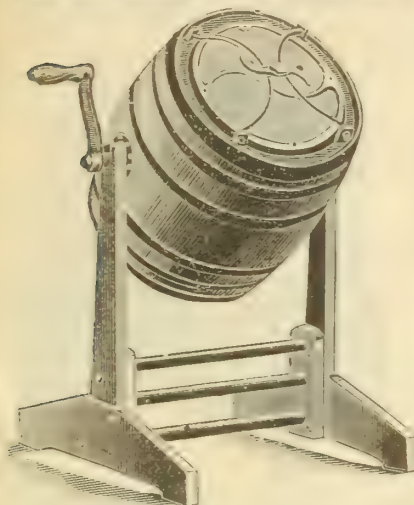
Also prevents cows from sucking themselves.

No 1, for Calves, 30c.; by mail, 35c.  
No. 2, for Heifers, 50c.; by mail, 56c.  
No. 3, for Cows, 75c.; by mail, 85c.



## THE DAIRY—Continued.

### The Baltimore Favorite Churn.



Patented July 5, 1891.

The balls are fastened to the iron ring, where they need to be fastened. We furnish Pulleys for power. Prices extra, according to size desired. Directions for use in each Churn.

Write for Special Discount for Cash.

#### PRICES.

	List price.	Retail price.
No. 0, 5 gal. to churn 2 gals.	\$8.00	\$4.00
No. 1, 10 gal. to churn 5 gals.	8.50	4.25
No. 2, 15 gal. to churn 7 gals.	9.00	4.50
No. 3, 20 gal. to churn 10 gals.	10.00	5.00
No. 4, 25 gal. to churn 12 gals.	12.00	6.00
No. 5, 35 gal. to churn 17 gals.	16.00	8.00
No. 6, 60 gal. to churn 30 gals.	26.00	13.00
No. 7, 75 gal. to churn 37 gals.	30.00	15.00
No. 8, 90 gal. to churn 45 gals.	35.00	17.50

### IMPROVED CEDAR CYLINDER CHURNS.



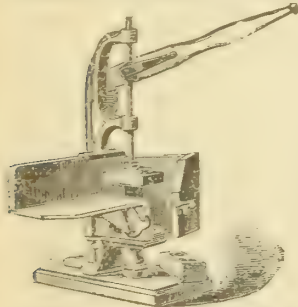
There are a number of Cylinder Churns on the market sold at a lower price, but they are made of pine or other inferior wood, while these are all of selected cedar, free of knots.

	Retail price.	List price.
No. 1, 2 1/2 gals.	\$1.75	\$2.50
No. 2, 4 gals.	2.00	3.00
No. 3, 7 gals.	2.25	3.50
No. 4, 10 1/2 gals.	2.50	4.00

It is made of thoroughly seasoned material. It is finished smooth inside as well as outside. The iron ring head is strong, and not liable to break.

### REID'S SELF-GAUGING

#### Butter Printer.

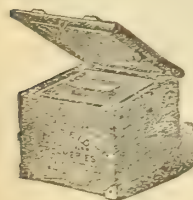


Prints Butter very neatly and quickly. Weighs into pounds or half pounds, as desired. Does it in one quarter the time it can be done by hand, making prints of uniform weight. Molds are square.

#### PRICE.

Either pound or half pound	\$10.00
Both pound and half pound combined	13.50
Extra for initials and monograms	1.50

### BUTTER BOXES.



Are made of well-seasoned lumber, non-bound at the edges and capped at the corners. Malleable iron detachable hinges and corner plates combined. The four sides of the trays are surrounded by a non-conducting air space. Malleable iron chest handles are well secured to the sides of the box. These boxes are specially suited for square or oblong prints.

y. 20 lb. Prints	\$3.75
30 lb.	4.25
40 lb.	4.75
50 lb.	5.00
60 lb.	5.50
70 lb.	5.75
80 lb.	6.00
90 lb.	6.50
100 lb.	7.00
120 lb.	7.50
140 lb.	8.00

### REID'S BUTTER WORKER.

#### INSIDE MEASUREMENT.

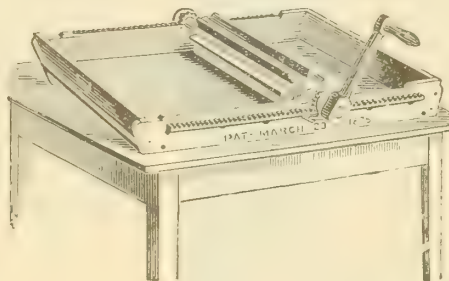
	CAPACITY.	WEIGHT.
No. 1—23x30x2 1/2 inches	50 lbs.	45 lbs.
No. 2—23x30x2 1/2 "	30 "	29 "
No. 3—17x21x2 1/2 "	25 "	25 "
No. 4—14x24x2 1/2 "	10 "	20 "

Larger size, especially designed for mixing, re-working and coloring, or for creamery use.

#### INSIDE MEASUREMENT.

	CAPACITY.	WEIGHT.
No. 0—23x37x3 inches	75 lbs.	60 lbs.
No. 60—23x56x3 "	112 "	80 "
No. 000—23x72x3 "	150 "	100 "

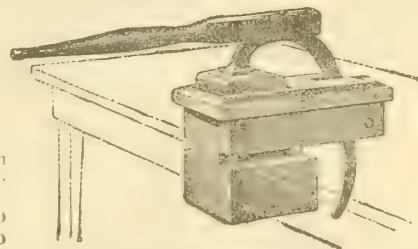
When desired, we can send legs along with any size machine for \$4.00 extra, which can be set up after arrival at destination.



### Lafayette Butter Printer.

This is also self-gauging. Intended for use in creameries, but more especially for reprinting. Very simple and handy.

Either pound or half pound with table	\$15.00
Either pound or half pound, without table	10.00



### BUTTER PRINTS AND MOLDS

All sizes and styles. Round, 15 and 35 cts.; square, 60 cts.; square and extra hand-made, \$1.00, \$1.50 and \$1.75 each.

#### Moore's Pyramidal Milk Strainer.

With Rest	\$1.50
Without Rest	1.35
Wells, Richardson & Co's Butter Color. Will not color the Buttermilk. Price, 25 and 50 cts. per bottle.	

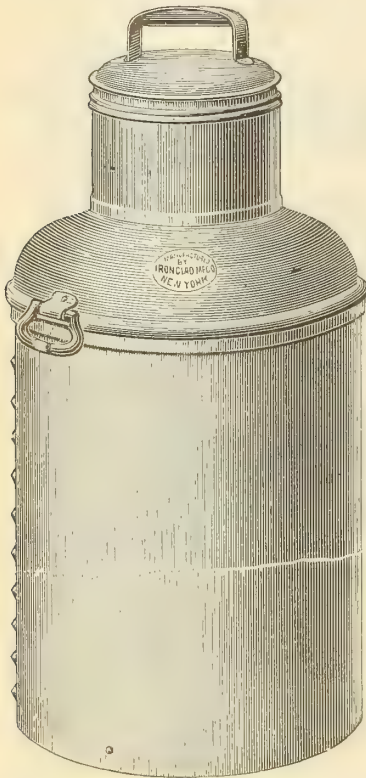
### Parchment Butter Paper.

In sheets 24x36, or can furnish the paper cut in the following sizes without extra charge: 6x9 for half pounds, 9x12 for one pounds, and 10x15 for two pounds. Price, 30c. per pound; by mail, 35c.; six pounds, \$1.00.

Butter Ladles. Price. 15c.

Butter Paddles. Price. 10c.

# **GRIFFITH & TURNER CO.** **THE DAIRY "Iron Clad" Milk Cans** CONTINUED.



BALTIMORE PATTERN.

## **The Baltimore Pattern.**

**T**HIS CUT illustrates it. It is the standard "Iron Clad" Baltimore Pattern Milk Can. Smooth inside surface, without crevices or protruding rivet heads, which enables Cans to be easily, quickly and thoroughly cleaned.

"Iron Clad" Milk Cans are made of steel and heavily tinned by the hand dipping process **AFTER** they are formed.

Look for the Trade Mark "Iron Clad" stamped in each and every Can. No other tin-plate Cans bear this trade mark.

We also carry a cheaper Can, known as the **Competition Baltimore** and the **Competition Iowa** (see below), in order to meet the demand for a lower-priced article. They are well made, but not so heavily tinned. **Our charge for marking name on Can will be 25 cents each.**

### **THE BALTIMORE PATTERN.**

20-qt. ... \$2.40    30-qt. ... \$2.75    40-qt. ... \$3.00  
 Second Quality or Competition Baltimore, 20-quart, \$2.20  
 Marking names on all Cans, 25 cents.

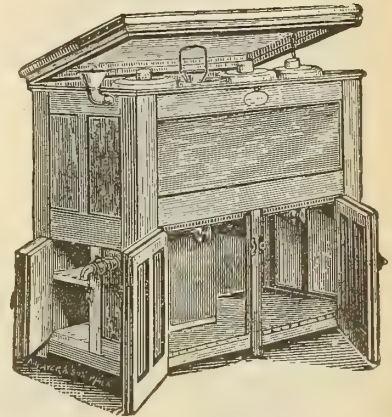
## **The Iowa Pattern.**

	Price.
20-qt. ....	\$1.90
32-qt. ....	2.10
40-qt. ....	2.20

Second Quality or Competition Iowa.

	Price.
20-qt. ....	\$1.65
32-qt. ....	1.85
40-qt. ....	1.95

Marking names on all Cans, 25 cts. each.



## **Stoddard Creamery.**

With or without special refrigerator, thorough in construction, simple in operation, accurate in its working.

Family Class. Each can holds 2½ gallons.

No.	No. of Cans.	No. of Cows.	Plain Creamery.	With Special Refrigerator.
2.....	2	2	\$20.00	
3.....	3	3 to 4	26.00	\$31.00
4.....	4	5 to 6	32.00	37.00

Dairy Class. Each can holds 5 gallons.

No.	No. of Cans.	No. of Cows.	Plain Creamery.	With Special Refrigerator.
2.....	2	5 to 6	\$25.00	
3.....	3	7 to 9	31.00	\$36.00
4.....	4	10 to 12	37.00	42.00
5.....	5	13 to 15	43.00	48.00
6.....	6	15 to 18	49.00	54.00
8.....	8	20 to 24	61.00	66.00
10.....	10	25 to 30	73.00	78.00
12.....	12	30 to 36	85.00	90.00

Subject to special discount.

No. 2 Family Class and No. 2 Dairy Class are not made with the separate refrigerator compartment unless so ordered.

The above prices do not include partitions, nor more than one water faucet. If partitions or extra water faucet is wanted they will be furnished at \$1 each.

## **Star Milk Coolers.**

These are thorough aerators, because the water flowing upwards inside the sheets of copper becomes heated by the warm milk flowing down over the outside; this brings warm milk and warm water together at the top of the Cooler; the milk being gradually cooled as it descends, leaves the Cooler within two degrees of the temperature of water run through it.

In the smallest size every drop of milk is compelled to flow over forty inches of surface, all on outside of machine. Will cool milk as fast as it can be milked; no ice required.

These Coolers are constructed of Copper Sheet and Brass Castings, heavily tinned, and have surface enough to do the work claimed in hot weather. Will not rust, last a life time.

No. 1 Star Cooler, 60 gallons per hour. .... \$25.00  
 No. 2 Star Cooler, 90 gallons per hour. .... 27.50

### **PRICES CHAMPION COOLER.**

The following sizes of the Champion are gauged as nearly as possible to take care of the milk as fast as drawn from various sized dairies with the average number of milkers. Be sure to get one large enough, as best cooling results are obtained with low pressure of milk in the receiver.

No.	Capacity of Milk Receiver	Size of Dairy	Takes Care of	List Price	Retail Price
1	10 qts.	1 to 10 cows	2 Milkers	\$7.00	\$5.50
2	18 qts.	10 to 25 cows	3 Milkers	7.00	5.50
3	34 qts.	25 to 50 cows	5 Milkers	8.00	6.50
4	52 qts.	50 to 100 cows	8 Milkers	10.00	8.00

Extra sizes on special orders.

Prices include double cheese cloth strainer and spring pins.

### **STRAINERS.**

Strainers of the finest mesh wire cloth (100 meshes to the inch) furnished at following prices: No. 1 and No. 2, \$1.00; No. 3, \$1.25; No. 4, \$1.50.

## **Automatic Milk Cooler - Aerator.**



The Champion Milk Cooler-Aerator consists of three parts.

**FIRST.**—The Cooling Drum. An open-top cone made of the best quality heavy tin, and provided with a heavy galvanized iron bottom. This drum is provided with an inlet pipe and an overflow pipe, and at the bottom with a trough to collect the milk; it is vented at the top to allow the escape of the rising vapor; it is also painted inside with a heavy coat of anti-rust paint. When running water is used the inlet pipe is to be connected by hose with the water supply, which entering the bottom forces itself up through the cone, and the warm water being lighter rises to the top, passing off at the overflow pipe. If ice water or well or spring water are used the inlet pipe may be closed and the drum filled from the top.

**SECOND.**—The Milk Receiver and Strainer Combined. This is also of tin and fits tightly over the cooling drum, and is provided with a circular row of perforations so arranged as to deliver the milk in fine streams, at some distance below the top of the cooling drum. This receiver has a hinged bottom, hence every drop of milk will run out readily. When the milk strikes the cooling drum it spreads in a thin sheet over the surface and passes down to the trough, from which it is delivered into the can through an outlet provided.

**THIRD.**—An Agitator. This is an iron rod with a tin disc on the end. This rod is allowed to project through the ventilating tube, and when running water is not used, the cooling medium, whether it be ice, cold well or spring water, should be occasionally agitated by means of this rod to force the cool water to the surface of the cone.

ally agitated by means of

JOPPA, HARFORD COUNTY, MD., August 22, 1901.

Messrs Griffith & Turner Company:

GENTLEMEN: I herewith hand you my check in settlement of account for the Milk Cooler.

The Champion Milk Cooler has given entire satisfaction, and I believe does all that the manufacturers claim for it.

Very truly,

E. L. ROBINSON.

# **GRIFFITH & TURNER CO.** **THE DAIRY.**

CONTINUED.

## **The Keystone Dehorning Clippers.**

The practice of dehorning cattle is coming more and more into vogue. It is a mercy to the animals. Prevents going. Does not crush the horns. No twisting motion or second cut on horn. Parts are all interchangeable, and can be replaced at any time. It is approved by veterinary surgeons and leading dairymen.

"The horns must go, and they cannot go too soon."



### **PRICE.**

Clipper, with Leader and rope, extra Blades and Screw, fully warranted.....	\$12.00
Clipper alone.....	10.00
We furnish a cheaper Clipper than the above that is superior to any of the cheap Clippers made, but do not recommend it as broadly as the Keystone, which has no equal.	
Price.....	8.00

## **MILK PAIL.**

Made of Best Tin.

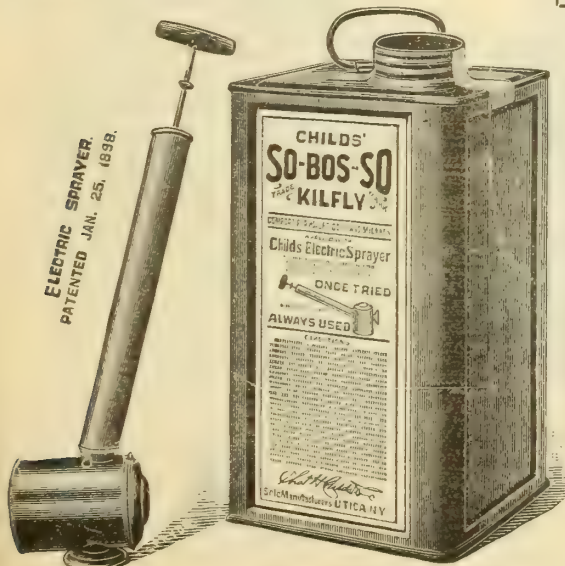
### **PRICE.**

No. 110—10 qts.....	30c.
" 112—12 ".....	40c.
" 510—10 ".....	45c.
" 512—12 ".....	50c.
" 514—14 ".....	60c.

## **SO-BOS-SO**

(KILFLY).

So-Bos-so (Kilfly) is a liquid mixture designed to protect cows and horses from torture of flies. The preparation is positively harmless. It is used with splendid results as a disinfectant and germicide. The Electric Sprayer discharges the SO-BOS-SO (Kilfly) in a fine, broad spray. From 30 to 50 cows can be sprayed in a few moments. The Electric Sprayer is detachable, and thus may be thoroughly cleaned. It can be used for spraying potato vines with Farn green, and for all other purposes that a sprayer is generally used. Price, per gallon, 75c. Electric Sprayer, 50c.



## **Perfection Calf Dehorner.**



ANYONE CAN OPERATE IT.

This takes the place of acids and is cheaper, is not painful, no more so than extracting a loose tooth, as the young horns are not firmly set in the head.

### **PRICE LIST.**

Perfection Calf Dehorner, including sample box of Perfection Cream, and full instructions for operating, etc.:	
Net, Plain.....	\$3.50
Net, Nickel Plated.....	5.00
Perfection Cream, per pound.....	.50
Discount on five-pound orders.	

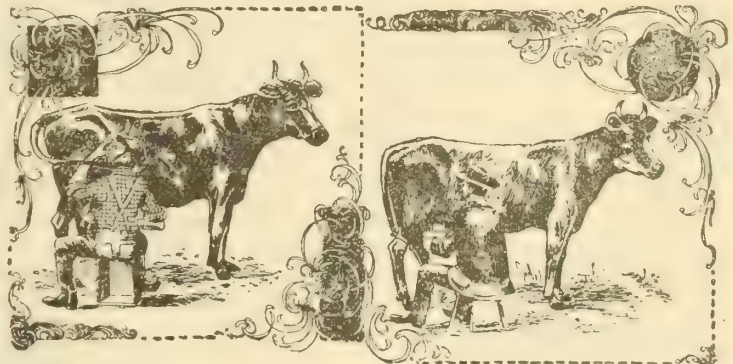
### **GUARANTEE.**

The Calf Dehorner is fully guaranteed for one year, and if from any defect it breaks or gives out during this time duplicate parts will be furnished free of cost by sending us the part broken.

### **DESCRIPTION.**

The perfection Calf Dehorner is formed by two curved blades, which cut with a shear cut. The one is stationary, and has a "U" shape ed ge, which draws it into the flesh and holds the instrument in position, and is adjustable to the other by a wedge which is inserted next to the frame. The other, which does most of the cutting, is hinged in such a position that it cuts with a down and then an up cut, which scoops out the horn. It has a lever which moves one blade and is hinged to the frame. There are two handles, so that it can be held firmly to the head. It will de-horn calves from two weeks to three months old. It is 16 1/2 inches long; weight, 2 1/2 pounds, and opens 1 1/4 inches. The frame and lever are made of iron; the blades are of the best steel.

## **Trapp's Patent Cow Tail Holder.**



**Easily and quickly Operated. Holds the Tail Firmly. Does not Irritate or Make a Cow Kick.**

In order to be fully supplied with the Holder each milker should have two, one for the cow being milked and one for the cow just behind, as very often the cow back of the milker will switch more than the cow being milked.

Mr. B. S. Warner, of Salisbury, Md., is using the "Cow Tail Holder" and says he finds it the greatest comfort both to the milker and the cow

Retail price..... 15 cts. Two for..... 25 cts.

## **No Flies and Improved Sanitary Conditions Mean More and Better Milk.**

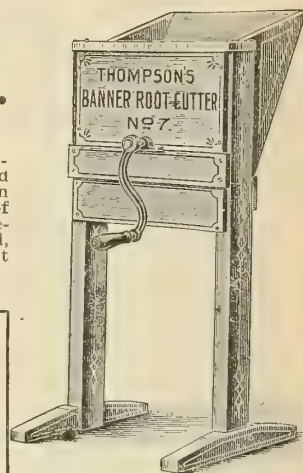
A cow that is living pleasantly, and is not disturbed by insects, gains in strength and gives good milk. If your animals are troubled with lice use SO-BOS-SO (Kilfly). It knocks them out. Spray your poultry house with SO-BOS-SO (Kilfly). It kills lice, or any vermin that may infect the fowls.

Different members of our company have tested "SO-BOS-SO" on their own cattle and horses, and we can assure the public that the claims of the manufacturers are correct and not overdrawn.

Put up in one-gallon cans. Price, 75c. per gallon. Electric Sprayer, price 50c.

REGULAR 3-KNIFE KRAUT CUTTER, with Sliding Box, 8x26 inches. Price, **\$1.25**

## Price .....\$5.00



Plain Scald-  
er does very  
well if placed  
over a ditch  
and fire built  
underneath,  
but large deal-  
ers prefer Rack  
and Fire Box  
comp etc.

We always ship furnace for wood fuel unless otherwise specified.

No. 0,	20 gallons,	length 24 in.,	weight 60 lbs.....	<b>\$7.50</b>
No. 1,	35 "	" 30 "	" 110 "	<b>12.00</b>
No. 2,	40 "	" 35 "	" 130 "	<b>14.00</b>
No. 3,	50 "	" 44 "	" 158 "	<b>15.00</b>
No. 4,	100 "	" 54 "	" 175 "	<b>20.00</b>

Actual Capacity.	Diam. of Furnace.	Shipping Weight.	List Price.	List of Furnace Without Kettle	Ret'l Furnace With Kettle.	Ret'l Furnace With Kettle.
30 gallons.	26 inches.	150 pounds.	\$13.00.	\$ 7.75	\$ 9.75	\$ 5.61.
33 gallons.	28½ inches.	175 pounds.	14.00	8.00	10.50	6.00
48 gallons.	31½ inches.	200 pounds.	16.50	9.00	12.40	6.75
53 gallons.	32 inches.	225 pounds.	18.00	10.00	13.50	7.50
75 gallons.	36 inches.	275 pounds.	26.00	12.00	14.50	9.00
Furnace with firepot for coal, add to list.....				List Price, \$4.50	Retail, \$3.25	

You will notice that our kettles are rated at exact capacity, so do not overlook this when comparing our prices with other makes, as others have been usually rated at from 10 to 25 gallons more than ours, but hold the same.

## A detailed black and white illustration of a mechanical device, likely a hand-operated pump or engine component. The device features a large, spoked flywheel on the right side, connected to a central shaft. A long, curved handle is attached to the shaft, extending outwards. The main body of the device is rectangular with a hinged lid on the left side. The entire unit is mounted on a base. The illustration is signed 'J. H. B.' in the bottom right corner.

	List.	Retail.
With Tin Clad Cylinder for Horse Radish, \$	7 00	\$ 6 25
“ Steel Pin “ “	8 00	7 25
“ “ “ for Cocoanut,....	9 00	8 00
“ “ “ for Horse Radish,		
with Legs, Balance Wheel, Treadle,		
and Crank, .....	14 00	12 50

**Saves Wood, Water, Extra Help and Vexation.**  
**One man without any help can swing the largest hog and do all his own slaughtering.**



The illustration shows a mechanical device for slaughtering hogs. It consists of a large wooden barrel at the base, which serves as a pivot. A heavy horizontal beam is mounted on top of the barrel. A vertical post on the left side of the barrel supports a pulley system. A rope is attached to the end of the horizontal beam, passes over the pulley, and is then attached to a large, dark-colored hog hanging by its hind legs. The hog is suspended in the air, positioned over a large, light-colored, irregularly shaped object that appears to be a piece of meat or a container. The entire device is constructed from wood and metal, with various bolts and hinges visible. The background is plain white.

**DESCRIPTION**—From the pulley to the ground, 9 ft.; length of derrick, 9 ft. 6 in.; track, 6 ft. 9 in. from the ground; braces, 6 ft. 6 in. wide at the bottom. Each Derrick furnished with four gammon sticks, four pulleys, four head hooks, twenty feet manila rope, malleable iron stayrings, a windlass of easy sweep. Thoroughly well braced with proper cast-iron supports to the crane. Weight, 150 lbs.

Price.....	<b>\$10.50</b>
------------	----------------

## Cook Stove Drier

**Cook Stove Drier** } **It is a Little Gold Mine.**—No labor you can perform for cash returns pays as well as that of converting wasted fruits into evaporated stock. These products are among the highest priced luxuries in food products. Evaporated Peaches, Cherries and Raspberries, 20 to 25 cents per pound; Apples, Pears, Blackberries, etc., 10 to 15 cents; all salable to or may be exchanged with your grocer for anything he sells. **RECALL THE WASTE OF FRESH FRUITS on the farm or town lot FOR SEASONS PAST. PRICE, \$5.**

## **"White Mountain" Refrigerators.**



This Illustration Shows the Perfect Ease with Which the Ice Chamber, Shelves, Waste Pipe and Grate in a "White Mountain Grand" Refrigerator May be Removed for Cleaning.

STYLE OF

### **White Mountain Grand Refrigerator.**

Nos. 201, 203, 204 and 205.

The above illustration shows our "White Mountain Grand" Refrigerator made in a new form. You will note that our patent "Maime" Ice Grate takes out through the top. The basket is entirely independent from this grate, resting on same when in place, but taking out separately. A new and interesting feature of this Refrigerator is the fact that the shelves slide back and forth, so that an article at the back of the Refrigerator is easily obtained without reaching in for it. Trimmed with our handsome nickel-plated locks and hinges. Heavy, air-tight walls thoroughly insulated. Baseboard swings up at the front. Elegant carvings of new designs and "GOLDEN OAK" finish.

No.	Lbs.	Ic.	L'gth.	Depth.	Height.	List Price.	Retail Price.
201	40	25 in.	17 in.	40 in.		\$18.25	\$11.00
203	80	30 in.	21 in.	44 in.		26.00	15.60
204	100	33 in.	22 in.	46 in.		29.25	17.55
205	125	36 in.	23 in.	48 in.		32.50	19.50

They are sanitary Refrigerators. They have positive dryness.

They have the best and latest scientific method of Cold Dry Air Circulation.

They are more attractively and artistically decorated than any other Refrigerator.

They are economical in the use of ice.

They preserve food perfectly.

The insides of our Refrigerators are entirely lined with metal. No wood is exposed to get damp and soggy.

The metal on both doors and covers is not tacked on or covered with a wooden moulding, but is neatly secured by an ingenious device; no sharp or raw edges are to be seen, and no wood is exposed.

Our Patent Trap positively prevents all odor from the overflow from working back into the ice chamber.

They have heavy and thick walls with dead air space, which, with our high-grade charcoal sheathing, makes a thoroughly insulated wall, through which it is impossible for warm air to penetrate.

Our Refrigerators are all furnished with galvanized steel shelves, which allow a current of cold, dry air to pass in and out among the dishes. These shelves can be kept clean, and unlike the "old fogy" stone shelves, they cannot break nor invite dampness.

The inside wall of our Refrigerators can't be seen, but nevertheless we make them an inch thick and air-tight. We have dissected a dozen of other makes, and always find a little thin 5-16 inch wall, and not tight at that.

TO HOUSE-BUILDERS.

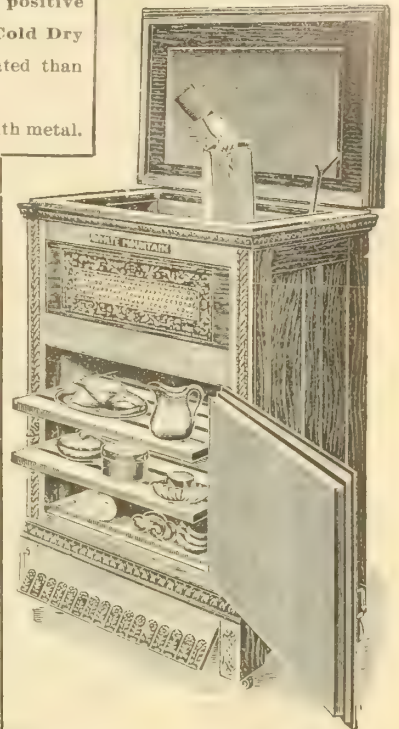
A New Departure.—Erect in the house, in the same manner as is done with wardrobes and china closets, one of our "White Mountain" Refrigerators.

The "Ice Man" does not have to come into the house with his dirty boots and dripping ice.

Every new house should have one of our Refrigerators built into the wall of the pantry.

Send for Special Refrigerator Catalogue. There is now a large demand for Refrigerators fitted with Porcelain-Lined Water Coolers, and we are prepared to furnish any Refrigerator which we manufacture, made in this way, at an advance in list price of \$6.50.

Retail.....\$3.90



### **WHITE MOUNTAIN HARDWOOD REFRIGERATOR**

The illustration above shows our single door "White Mountain" Refrigerator made from hardwood and finished in our beautiful "Golden Oak." They are trimmed with a lever surface lock of strong and handsome design and with hinges of a pattern to correspond. No mistake can be made in buying this style of Refrigerator, for they are wonderfully low in price, always sell rapidly, and give perfect satisfaction to the most fastidious. Heavy air-tight walls, thoroughly insulated, swing base, sliding shelves of galvanized steel.

No.	Lbs.	Ic.	Length.	Depth.	Height.	List Price.	Retail Price.
112	45	26 in.	19 in.	40 in.		\$17.00	\$10.25
113	80	30 in.	20 in.	43 in.		20.75	12.50
114	100	33 in.	21 in.	45 in.		23.50	14.10
115	125	36 in.	22 in.	47 in.		28.50	17.10

### **"White Mountain" Pine Refrigerator.**

The illustration shows our single door "White Mountain" Refrigerator. These are made from the best quality of well-seasoned pine lumber, handsomely finished in the new and beautiful "Flaked Golden Oak."

NO WOOD IS EXPOSED IN THE INTERIOR.

These Refrigerators are as low in price as any in the market, and yet they are well and substantially made. Their food-preserving qualities are excellent. We use convenient surface locks made from handsomely bronzed metal, and the hinges are of the same material. Walls thoroughly insulated.

Lbs.	No. Ic.	Length.	Depth.	Height.	List Price.	Retail Price.
101	30	24 in.	18 in.	38 in.	\$12.50	\$7.50
102	45	26 in.	19 in.	40 in.	14.25	8.55
103	80	30 in.	20 in.	43 in.	17.50	10.50
104	100	33 in.	21 in.	45 in.	20.00	12.00

They have thick, heavy walls, thoroughly insulated; galvanized steel shelves and ice racks, and are mounted on casters that will not drop out.

### **"White Mountain" Ice Chests.**



No.	Length.	Depth.	Height.	List Price.	Retail Price.
2 1/2	27 in.	20 in.	27 in.	\$8.25	\$5.00
3	29 in.	21 in.	29 in.	10.75	6.50
4	31 in.	22 in.	31 in.	13.00	7.80
6	35 in.	23 in.	33 in.	15.50	9.30



## **Spray Pumps, Etc.**

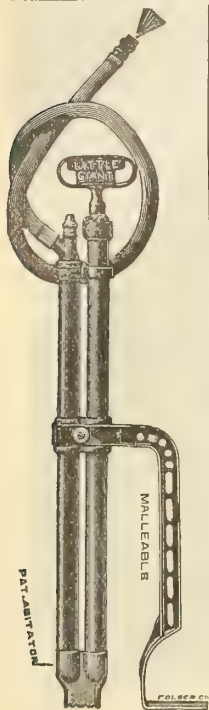


Figure 639

### **"Pomona" Spray Pump, WITH AGITATOR**

ALL WORKING PARTS OF BRASS. FIGURE 1100.  
Working parts brass. No leather packing. Valves are brass; easily accessible; wing guided on beveled seats, ground to fit. Air chamber steel. Lever long and powerful, with adjustable stroke, 3, 4 or 5 inch. Solid brass plunger, machine turned, fitting gland accurately. Pump is held securely by adjustable clamp plate, made to fit either end or side of barrel, and by a small anchor located at bottom of barrel. The mechanical agitator is operated by stroke of the handle. Directions sent with each Pump. **Figure 1100, sizes, prices, etc.**

	Plunger.		D'ble Dis.	Retail Price.	List Price.
	Dia.	Stroke.			
<b>Pump Only.</b>	2 1/2 in.	3, 4 or 5 in.	3/4 in. hose.	<b>\$11.50</b>	<b>\$15.00</b>
<b>With Agitator.</b>		Adjustable.	3/4 in. pipe.		
<b>Outfit A for Single Lead.</b>	<b>Fig. 1100.</b> Spray Pump with one lead 10 ft., 1/2 in. discharge hose with "Seneca" (or Vermorel) Spray Nozzle. Without barrel.			<b>13.75</b>	<b>18.00</b>
<b>Outfit B for Double Lead.</b>	<b>Fig. 1100.</b> Spray Pump with two leads 10 ft. each, 1/2 in. discharge hose with "Seneca" (or Vermorel) Spray Nozzle. Without barrel.			<b>15.50</b>	<b>20.50</b>

We mount the "Pomona" Spray Pump in barrel ready for use at an additional net cost of \$1.50.

### **Little Giant Brass Spray Pump and Fire Extinguisher.**

WITH AGITATOR. Figure 639.

This Spray Pump is constructed entirely of brass. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up.

PRICE LIST OF PUMPS SHOWN. Retail Price. List Price.

No. 327 1/2, Figure 639. Bucket Brass Spray Pump, with Agitator, complete with hose and combination fine, coarse spray and solid stream nozzle	<b>\$2.75</b>	<b>\$5.00</b>
No. 328, Figure 639. Bucket Brass Spray Pump with Agitator complete with hose and combination fine, coarse spray and solid stream nozzle and an 8 ft. pipe extension	<b>3.00</b>	<b>5.50</b>
Vermorel or Bordeaux Nozzles, each	<b>.60</b>	<b>1.00</b>

## **BRASS BUCKET PUMPS.**

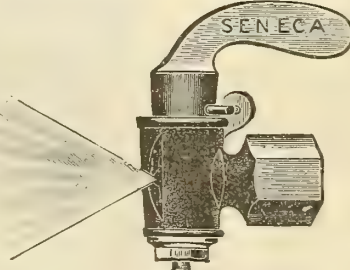
Figure 1129. "Bordeaux" Brass Garden and Spray Pump is especially designed for spraying in gardens and greenhouses. The Pump is double-acting in effect, has gutta-percha ball valves, proof against the action of acids and oils. Foot piece is malleable iron. The pump end of discharge hose is wire wound, adding largely to its durability. Our "Seneca" nozzle is furnished with Pump. Pump has no suction hose, but is set in pail or bucket with foot-rest outside.

Figure 1129. Price with 3 feet 3/4 inch discharge hose and Spray Nozzle—  
Retail, **\$3.50** List, **\$6.00**



Fig. 1129

Fig. 81, "Seneca" Nozzle. Retail, 75c.



### **BRASS Barrel Spray**

Figure 766.

Cylinder, Valves, Valve Seats and Discharge.

ALL BRASS.

All working parts submerged in liquid to be sprayed, hence no priming is necessary. Patent Agitator. No complicated parts. Throws constant spray.

No. 305, same as above, complete with 5 ft. hose and agitator. List, **\$11.00**; retail, **\$7.75**.

No. 306 Figure 766

Complete with 2 leads of hose of 1/2 inch three-ply, each 5 feet long and two Myers' Vermorel Nozzles and Agitator.

List, **\$13.00**; retail, **\$9.25**.

Bordeaux Nozzles instead of Vermorel furnished when wanted.

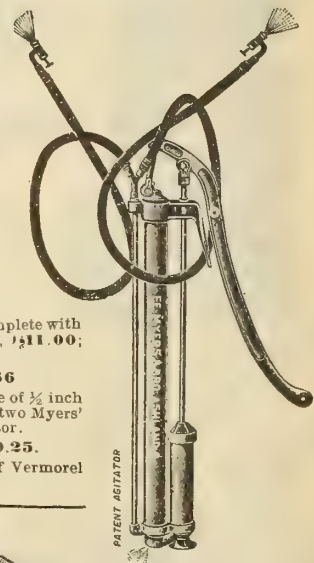
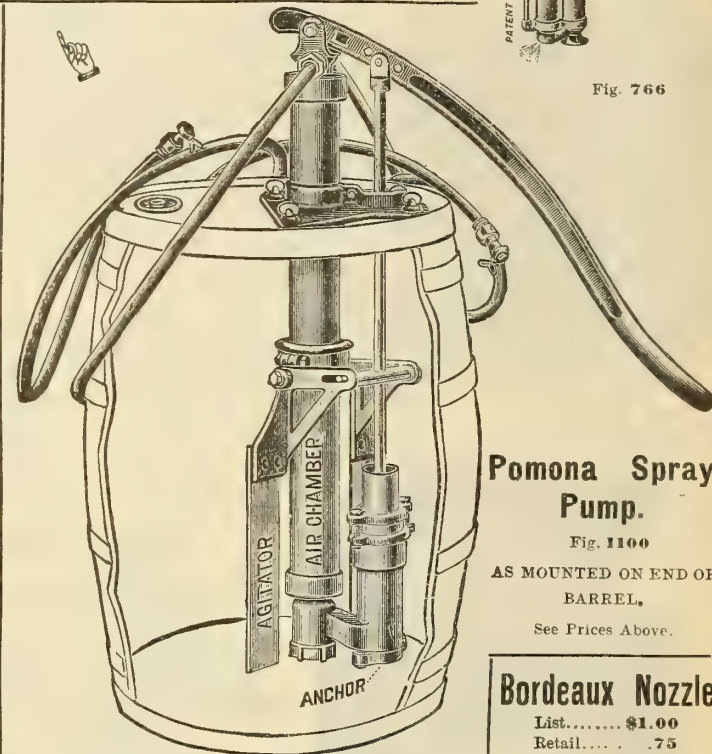


Fig. 766



### **Pomona Spray Pump.**

Figure 1100

AS MOUNTED ON END OF BARREL.

See Prices Above.

### **Bordeaux Nozzle**

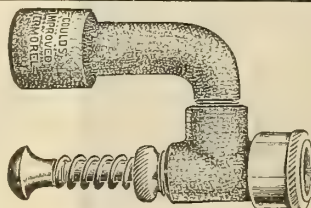
List..... **\$1.00**  
Retail..... **.75**

### **Vermorel Spray Nozzle.**

Fig. 55

Each With Degorger.

One Discharge.	
List, <b>\$1.00</b> Retail, <b>75c.</b>	
Two Discharge.	
List, <b>\$2.00</b> Retail, <b>\$1.50</b>	
Three Discharge.	
List, <b>\$2.75</b> Retail, <b>\$2.00</b>	
Four Discharge.	
List, <b>\$3.50</b> Retail, <b>\$2.50</b>	



### **Four-Row Spraying**

Fig. 1132

### **Attachment.**

Fig. 1132. The cut represents an attachment for spraying four rows of potatoes with any of our larger Spray Pumps. It has four "Seneca" Nozzles and connections for hose. Total length, 9 feet. Price, as per cut, retail **\$4.50**, list **\$7.00**. Also furnish two-row attachments, price **\$2.50**.

# **KEROSENE SPRAYERS**

## **Gould's Knapsack "Kerowater."**

**For Emulsifying and Spraying Kerosene and Water.**

(Fig. 1263.)

Many conditions are encountered under which the barrel "Kerowater" cannot be advantageously operated, as in green-houses, work on side hills, etc. For these purposes we have introduced the (Fig. 1263) Knapsack "Kerowater."

It is provided with straps for carrying on back, or may be used with reservoir resting on ground. It embodies the same principle as described under Fig. 1187, and consists of two independent pumps, operated by a common lever, placed in a galvanized iron tank, with divisions for oil and water. Combined capacity about 5 gallons. Quantity of oil used is controlled by adjustment of a single pin, and may be varied to 5, 10, 15, 20 or 25 per cent. Pump may be operated by either hand by changing lever to right or left.

Fig. 1263. Knapsack "Kerowater" complete, as shown in cut, with 4 feet of  $\frac{3}{4}$  inch discharge hose, "Seneca" Nozzle, and Pipe Extension 12 inches long.

**PRICE** { List.....\$12.00  
 { Retail.....9.00

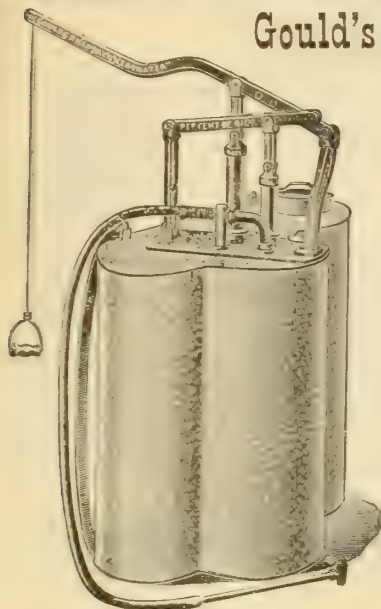


Fig. 1263

## **Gould's "Kerowater."**

**For Emulsifying and Spraying Kerosene and Water.**

It consists of two pumps, one for water and one for oil, but having one common exit at the hose. Both pumps are contained within the barrel. Instead of mixing the oil and water at the suction, the emulsion is made at the discharge. Kerosene is poured into the oil tank through a marked filling hole, and water into the barrel. The amount of oil used is controlled by the proportionate stroke of the pumps. In the end of the lever are drilled a number of holes (see top of cut), into one of which is inserted a coupling pin. By removing the pin from one set of holes to another the percentage of oil can be graded from 5 per cent. to 25 per cent. easily and quickly. Figures near each hole indicate the percentage of oil the pin working in that hole will supply. The mixture is positively accurate. A brass shut-off is seen near the top, attached to the hose, to prevent pure oil from being thrown at any time.

Barrel is furnished with outfits shown below:

### **FIG. 1187. SIZES, PRICES, ETC.**

Pump Only.—Diameter of Plunger, 2 in.; Stroke of Plunger, 4 in.; Discharge,  $\frac{1}{2}$  in. Hose.....List, \$21.00 Retail, \$15.75  
 Outfit A, for Single Spray.—"Kerowater" Sprayer, with one lead 10 ft.;  $\frac{1}{2}$  in. Discharge Hose, with "Seneca" (or Vermorel) Spray Nozzle.....List, \$23.75 Retail, \$17.80  
 Outfit B, for Double Spray.—"Kerowater" Sprayer, with two leads 10 ft. each;  $\frac{1}{2}$  in. Discharge Hose, with "Seneca" (or Vermorel) Spray Nozzle. List, \$26.50. Retail, \$19.87.

### **EXAMPLE.**

To make a mixture containing 15 per cent. oil (the proportion we recommend for general use), it is only necessary to fill the main tank with water and the smaller one with kerosene; turn the indicator to the 15 per cent. mark, and the apparatus is ready for use. A new proportion of oil may be obtained by simply changing the position of the indicator. When the position of the indicator is changed, however, the new proportion will not be obtained until a few strokes have cleared the mixture already in the pump

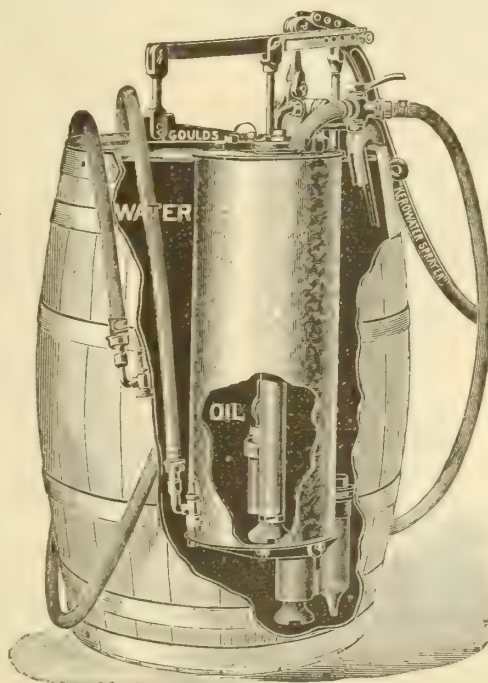


Fig. 1187

The figures on the gauge indicate the per cent. of oil to the entire mixture which will be pumped when the indicator is placed at the different per cent. marks. Thus when the indicator points to 0 the valve in the kerosene tank is closed, so that pure water will be pumped. By turning the indicator a certain amount the check valve controlling the oil is allowed to raise a definite height, thus allowing a definite amount of oil to pass into the pump cylinder. The proportion of oil does not vary except as the oil indicator is turned.

**FUNGICIDES.**—(For Rots, Blights, Mildews and other Fungous Diseases.)  
**Bordeaux Mixture.**—Copper sulphate (blue vitriol), 3 lbs.; quick, or stone lime, 4 lbs.; water, 45-50 gallons.

## **THE SUCCESS KEROSENE SPRAYER**

WITH REMOVABLE KEROSENE TANK.

IMPROVED COMBINATION REST AND BUCKET CLAMP.

(Fig. 649.)

In the Success Sprayer the kerosene attachment may be removed when Bordeaux Mixture or other solutions are used, and a cap, which we furnish, placed on the oil inlet.

The Success Kerosene Sprayer makes a most convenient article for general use in spraying shade trees, poultry-houses and flowers.

Fig. 649 has four feet of discharge hose with a Bordeaux Nozzle.

### **PRICE LIST.**

Fig. 649, complete, as in cut.....List.....\$10.00 Retail.....\$7.50  
 7-foot section of hose and couplings, with pole connections.....1.50 1.25

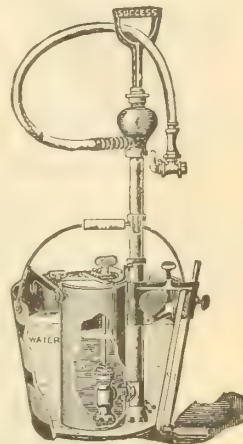


Fig. 649

### **Table Showing Uses of Kerosene Sprayers and Per Cent. of Oil Required.**

Uses of the Different Proportions of Oil.

Position of Indicator Showing Per Cent. of Oil.	
0.	Pure water will be pumped when the oil valve is closed
5	Seldom used
10.	Mealy bugs, scale insects and plant lice on tender plants. Horn flies on cattle. Will not injure the foliage on tender plants.
15.	Scale insects and plant lice of all kinds, except on tender hot-house plants. All caterpillars exposed on leaves, cabbage worms, ants, chinch bugs on corn. Will not injure ordinary foliage.
20.	Scale insects and plant lice not killed by 15 per cent. of oil. Lice on cattle, dogs, horses and poultry. Mites in poultry-houses. Will rarely injure ordinary foliage.
30.	Lice on hogs. Fleas on cats, dogs, etc. Cannot be used on foliage without injury.
40.	Ticks on cattle.
50.	For the winter treatment of scale insects.

Spraying is not a matter of rule, but of judgment. Know the life history of the insect or plant disease so you can spray when it will be most effective. Be prompt, thorough and persistent. Remember that fungicides are better preventatives than remedies. Practical men have found that it pays to spray every season, whether the disease is prevalent or not, simply as a matter of insurance. It is a small premium and a very good policy.

### **LEAF-EATING INSECTS.**

Among these may be prominently mentioned the caterpillar, which has been so very destructive to shade trees, etc., in Baltimore the past season. The caterpillar is a leaf-eating insect, and for all such Paris Green is the insecticide.

For all sucking insects use kerosene at the rate of 15 per cent. of oil. Never spray fruit trees while in bloom.

If Paris Green is used on blossoms it will cause the death of the bees in the neighborhood.

# **The Auto-Spray**

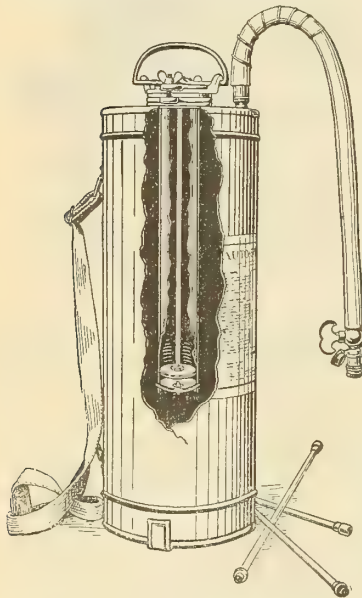
*A Self-Operating or Automatic Sprayer.*

## **WHAT THE AUTO-SPRAY WILL DO.**

A few strokes of plunger in air-chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. This means that the "AUTO-SPRAY" can be charged in fifteen seconds, when it will work uninterruptedly long enough to spray a quarter-acre of potatoes.

### **Simplicity of Construction.**

Attention is directed to the rigid handle, which serves as handle for carrying the can; for plunger rod and for unscrewing the pump from the reservoir, also to the air-pump valve, which can be taken apart without moving a screw or fastening of any kind and in less than one second's time, and lastly to the metal top of air-pump, which may be attached readily and which cannot wear out, as in the case of other structures held in position by tacks.



### **"Auto-Spray No. 1."**

Length of Cylinder, 21 inches; Weight, Loaded, 39 pounds; Diameter of Cylinder, 7 inches; Capacity, about 4 gallons; Weight, Empty, 7 pounds; Extension Pipes Extra.

#### **SPECIFICATIONS:**

"Auto-Spray No. 1" has nozzle, stop-cock, and fittings turned from solid brass, with deep-cut threads, three-ply rubber hose; the pump and valves are entirely of brass where they come in contact with the solution; all cast-iron parts are malleable iron; the carrying strap is made of eight-ply halter web. It is fitted with our improved valve, and take-out and put-in sleeve, which prevents damage or accident to the plunger and packing. In the brass machine there is absolutely nothing that can corrode or rust.

## **Auto-Spray No. 2.**

Capacity, with Barrel, 40 Gal.; Diameter of Cylinder, 7 Inches; Height of Cylinder, 21 Inches; Weight, Empty, without Barrel, Twenty Pounds; Weight, Loaded, Fifty Pounds.

"AUTO-SPRAY No. 2" is made of brass only, and in one style. It has many strong features embodied in no other spray pump, and is the first successful automatic compressed air machine for large uses.

It has the additional advantage that it may be used exclusively as "Auto-Spray No. 1" by simply removing the lever and all other attachments not shown in the cut representing "Auto-Spray No. 1." It is fitted with carrying strap same as No. 1.

Among other points we would call your attention to the fact that the size of the air-tank in "Auto-Spray No. 2" makes it possible to compress the air easily and quickly the same as in "Auto-Spray No. 1;" also the small size enables the operator to agitate the contents by simply rocking the machine. When the air-tank is empty, simply open the cock, and the connections between the barrel and the pump allow the tank to fill. It is also fitted with an escape valve which permits the ready release of any surplus compressed air while the tank is being filled. Also it is equipped with mechanical agitator to be used in the barrel so the contents of the barrel enter the air-chamber fully agitated.

**Nicoticide.**—An infallible remedy for Aphis, Green Fly and other greenhouse vermin. Per pt., \$2 50. \$1.25 per ½ pint. Nicoticide Lamp for Evaporating, 50c.

**Asbestos Torch.**—An excellent device for burning caterpillar nests from trees. Price.....40c.

## **Auto-Spray**

No. 3.

"AUTO-SPRAY No. 3" has a capacity of one-half "Auto-Spray No. 1," and is made in both galvanized steel and brass. It is made with the same care and high class of workmanship and material as "No. 1," but has no hose connection or cock, and the pump cylinder in the galvanized steel machine is made of extra heavy double cross tin, coated with our acid proof covering.

"AUTO-SPRAY No. 3" should be used only for small fruits, vines and other low-down work.

Weight, empty, four pounds; Weight, loaded, twenty pounds; Capacity, two gallons; Diameter, seven inches; Height, twelve inches.



## **The "Auto-Spray Torch."**

It is marvelously effective in burning worms and nests, and is the only torch that has ever been used successfully. The "Auto-Spray Torch" burns kerosene oil vaporized with oxygen of the air, and is so intensely hot that a single blast is sufficient to destroy a nest of worms.

It is used by simply screwing to the end of the extension pipe, and is operated by opening and closing the stop-cock attached to the rubber hose. By simply opening the cock a blast of air is thrown through the flame, which is then carried to a height of four feet six inches. As the flame is entirely controlled by the operator, there is no danger of damage to any part of the tree except that which is infested with caterpillars.

#### **PRICES.**

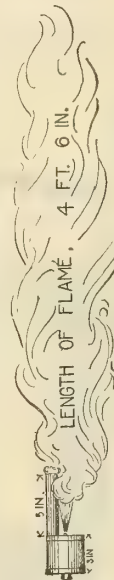
Auto-Spray No. 1, Galvanized Steel Tank.....	\$4.50
Auto-Spray No. 1, Brass Tank.....	6.00
Auto-Spray No. 3, Galvanized Steel Tank.....	1.75
Auto-Spray No. 3, Brass Tank.....	2.75
Auto-Spray No. 2, Brass Tank with agitator, (No barrel)....	11.00
Auto-Spray No. 2, Brass Tank with agitator, (with barrel)...	13.00

Special discount for cash.

#### **EXTRAS.**

Extension Pipes, 2 feet lengths, Galvanized Steel Brass Ends..	\$ .30
Extension Pipes, 2 feet lengths, Solid Brass.....	.35
Elbow Connection, Solid Brass.....	.35
Safety Valve, Solid Brass.....	.25
Auto-Spray Torch.....	1.00
Bicycle Pump Fitting.....	.25

Special prices for cash.



## **Poultry and Animal Fumigator.**

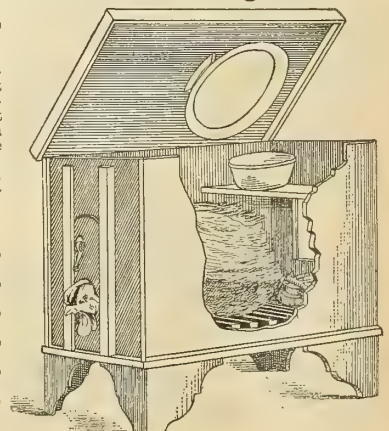
**Came to Hand Too Late for Proper Classification.**

Will kill all insects and vermin; destroy all mites and insect eggs. Will cure scaly leg. Destroy cholera germs. Will not injure the most delicate chicken or animal. Sulpho-germicide cartridges absolutely harmless. Prices include 100 cartridges. Directions accompany each Fumigator.

#### **PRICES.**

No. 1. 14x22x20 in., for 1 fowl,	\$4.00
No. 2. 18x22x20 in., for 2 fowls,	\$5.00
No. 4. 30x22x20 in., for 4 fowls,	\$6.00
No. 6. 41x21x20 in., for 6 fowls,	\$7.50
No. 8. 51x22x20 in., for 8 fowls,	\$9.00
No. 10. 62x22x20 in., for 10 fowls,	\$10.00

Price 100 Cartridges.....



# GRIFFITH & TURNER CO.

## SPRAYERS AND POWDER GUNS.

### The Fountain Spray Pump.

FIGURE 599



Fig. 599

Accompanying illustration, Fig. 599, represents the FOUNTAIN KNAPSACK, Nos. 332 and 333, constructed of first-quality galvanized iron, with round corners, built precisely the same as the regular Knapsack with REMOVABLE STRAINER and tight lid. It is fitted with adjustable straps so as to be carried on the back, or it can be carried by bail as shown by dotted lines.

It is tapped at both right and left hand lower corners and fitted with brass female ends to which hose is attached, either one or two strings of which may be used at one time. When one hose only is used the other opening is closed with a metal plug furnished for that purpose. The HOSE and BULB are made of the best white rubber and wired at end.

The VALVES are made of brass and will not corrode; have large openings which permit the free flow of water and shut off instantly when under pressure.

The NOZZLE is made of brass, nickel-plated; has fifty small openings, and throws a spray six feet wide at a distance of twelve feet.

The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown any distance from three to fifteen feet, as desired; on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose.

We furnish this hose and fixtures to be attached to a barrel or tank placed on a wagon. This is desirable when spraying large fields of cotton or potatoes.

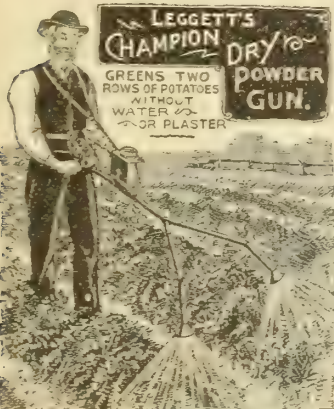
CAUTION.—ALWAYS MIX PARIS GREEN or LONDON PURPLE in a SEPARATE VESSEL, FORMING into a PASTE BEFORE ADDING THE WATER. In this way everything will be dissolved and will not need to be agitated.

	Retail Price.	List Price.
No. 322, Figure 599, Fountain Knapsack Spray Pump, with one tube, rubber bulb and rose.....	\$3.00	\$5.00
No. 333, Figure 599, Fountain Knapsack Spray Pump with two tubes, rubber bulb and roses, to work with both hands.....	4.25	7.00
Extra tube, rubber bulb and rose.....	1.25	2.00

No. 322, Figure 599, Fountain Knapsack Spray Pump, with one tube, rubber bulb and rose.....

No. 333, Figure 599, Fountain Knapsack Spray Pump with two tubes, rubber bulb and roses, to work with both hands.....

Extra tube, rubber bulb and rose.....



FOR Farm, Garden, Vineyard, Tobacco Fields, etc. Adjustable to any width of row. Many thousands in use.

Distributes Paris Green, London Purple, Hellebore, Sulphur, Lime, Dry Bordeaux Mixture, Dry Bordeaux Compound, Spanish Pink, Pyrethrum Powder, etc.

This Machine Keeps the Poison at a Safe Distance from the Operator.

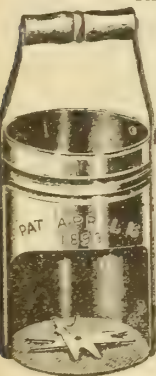
Dusts potato vines as fast as you walk, two rows at a time. Each machine furnished with two tubes, five nozzles and strap. Anyone can use it.

Weights, cased for shipping, 14 lbs. Price.....\$7.50

### The Acme Plaster Sifter.

Price, 25 cents.

This is a most convenient and serviceable little tool, and at the price will prove a good investment. It handles sand plaster and any similar substance without the necessity of covering hands or clothing with the poisoned powder. We furnish a false bottom which prevents anything clogging the agitator.



### Acme Liquid Atomizer.



TRADE-MARK CO.

### LEVER KNAPSACK SPRAY PUMP.

FIGURE 547



Fig. 547

Tank holds five gallons, is fitted with lid and strainer which can be removed.

This Pump has lever, large air-chamber, ball valves, solid plunger and agitator.

It is so arranged that no water can drip on the operator. The Pump can be easily removed and is fitted with handle so that the operator can use it the same as our tank with bucket pump.

No. 330, Figure 547, Fitted with five feet one-half inch hose, pipe extension and Bordeaux spray nozzle, can be graduated from a fine mist to a solid stream, or shut off entirely. Retail price, \$6.00; List, \$10.00

Any other nozzle furnished with these Pumps when ordered.

### THE PERFECT KNAPSACK SPRAY PUMP. Fig 547

It is identically the same as 330, with the exception that the tank is constructed entirely of copper.

	Retail.	List.
No. 331, Figure 547, complete with hose, stop-cock, pipe extension, and Bordeaux nozzle. Price.....	\$9.60	\$16.00

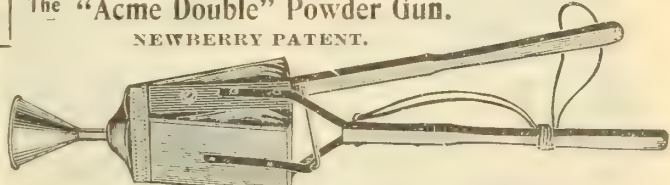
First-Class Outfit at a Reasonable Price.

### No. 336, SPRAY NOZZLES, Etc.

	Retail.	List.
THE BORDEAUX. Price.....	\$ .75	\$1.00
THE VERMOREL. Price.....	.75	1.00
Combination Nozzles and Hose Coupling.....		15 cents.

### The "Acme Double" Powder Gun.

NEWBERRY PATENT.



It is but little heavier than our "Acme," and will apply a continuous blast of dry poison to any plant.

You can apply any desired quantity to each plant as its needs require.

All parts of the "Acme Double" Powder Gun are thoroughly protected. There are no adjustments to make, no loose parts to get out of order.

Is furnished with detachable elbow and spreader. Price.....\$1.50

### Faultless Sprayer.



Adapted for destroying every kind of insect. One-half tablespoonful of Paris Green, and one filling with water is sufficient to destroy all the bugs on 1,300 hills of potatoes.

Fo. 1 Faultless Tin Sprayer.....50c

## THE ACME POWDER GUN.

(Dry Powder Blower).



The "Acme" Powder Gun is the simplest tool ever made for applying poison to growing crops. It is entirely independent of water or plaster. No poison is left about the fields to kill stock. It requires no base of supplies; all you need carry is a can of dry insecticide and the gun. Without stooping—the elbow does it—it applies any powdered poison on any plant in any desired quantity any time of the day. The elbow may be detached if desired. This tool is well made of the best materials, and is thoroughly guaranteed. The bellows sides are painted a bright vermilion, and the handles finished bright. The leather is a fine russet. We also furnish a spreader for distributing the blast.

Price.....75 Cents.

For spraying Paris Green and other insecticides on potato plants, shrubs, small trees, house plants, live stock and poultry. A great labor-saver on every farm, and in every garden, barn, greenhouse, orchard and hennery. It will apply the finest possible spray on any object desired, and exterminate any kind of insect life. Will not corrode. Easily filled, easily emptied. One canful will poison bugs on 600 to 800 hills of potatoes. By actual test we find this to be a most desirable article to spray turpentine for the destruction of moths. Quite a number are now in use for this purpose with the most satisfactory results.

Prices: Tin Atomizers 50c; Galvanized Tank, 55c; Brass Tank, 75c.

More solution can be thrown with this than with a single Atomizer; covers more space.

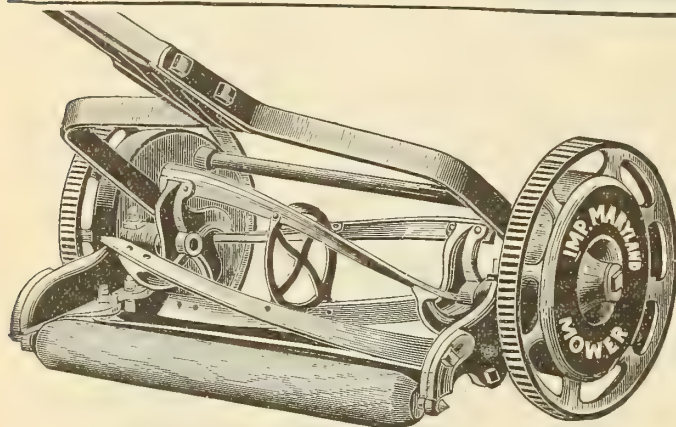
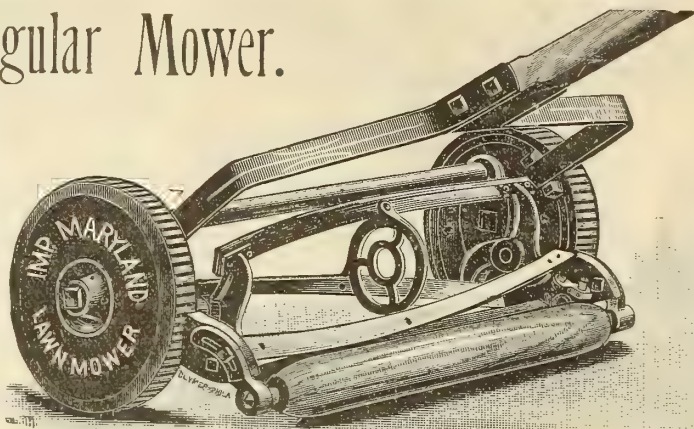
Price: Tin Double Sprayers, 55 cts.; Galvanized Double, 60 cts.; Brass Tank Double, 75 cts.

## Improved Maryland Regular Mower.

**T**HIS is not a cheap Mower because the price is low. The material entering into these goods is first-class in every respect. The principle applied in the construction of this Mower is the same as used on machines which are sold for very much more money. The Pawl and Pinion Attachment has been thoroughly tested and is beyond question one of the best to be obtained.

PRICE LIST.	Retail.
12 inch.....	\$3.00
14 inch.....	3.25
16 inch.....	3.50
18 inch.....	3.75

3 BLADES, 8 INCH WHEEL, 5/4 INCH CYLINDER, SINGLE PINION. GEARED ON BOTH SIDES.



## —THE— Improved Maryland High-Wheel Mower.

WITH 10-INCH WHEEL. 4-BLADE CYLINDER.  
 SECURITY INCASED GEARS. NOISELESS RATCH ET  
 THE MOWER GEARED ON BOTH SIDES.

NO PAINS have been spared to make this the superior of all others of its class. It is mechanically proportioned so as to run light and do fine work. Our customers will make no mistake in ordering this Mower.

### PRICES.

14 inches, \$7.50      16 inches, \$8.00      18 inches, \$8.50

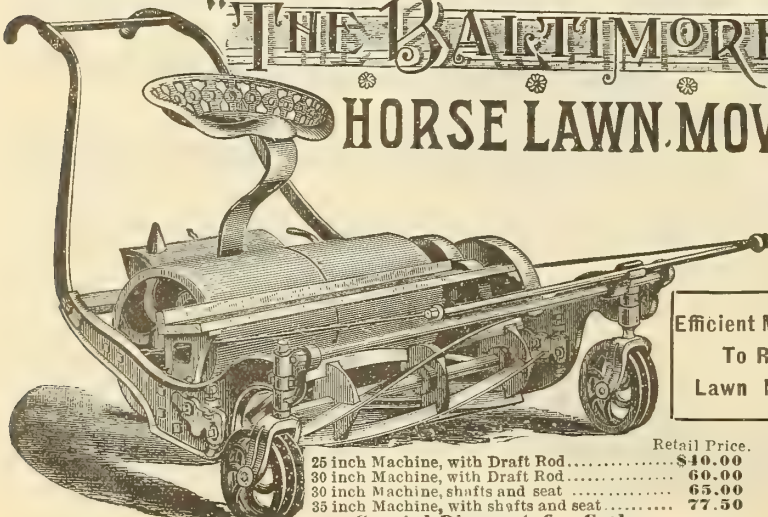
## Continental High-Wheel Mower.

Retail price, 15 inch .....	\$10.00	List price, 15 inch .....	\$25.00
Retail price, 17 inch.....	11.25	List price, 17 inch.....	28.00
Retail price, 19 inch.....	12.50	List price, 19 inch.....	31.00
Retail price, 21 inch.....	14.00	List price, 21 inch.....	34.00

## Pennsylvania High-Wheel Mower.

Retail price..... 15 inch,	\$9.50	17 inch,	\$10.75	19 inch,	\$11.75	21 inch,	\$13.50
List price..... 15 inch,	25.00	17 inch,	28.00	19 inch,	31.00	21 inch,	34.00

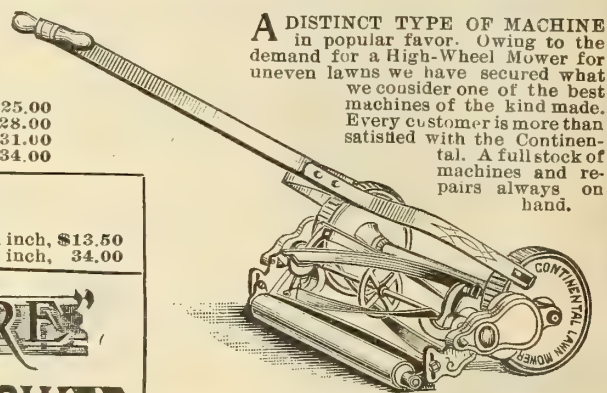
## **"THE BALTIMORE"** **HORSE LAWN MOWER**



25 inch Machine, with Draft Rod.....	Retail Price.	\$40.00	List Price.	\$ 65.00
30 inch Machine, with Draft Rod.....		60.00		100.00
30 inch Machine, shafts and seat .....		65.00		110.00
35 inch Machine, with shafts and seat .....		77.50		135.00

Efficient Mechanics  
To Repair  
Lawn Mowers.

Special Discount for Cash.



A DISTINCT TYPE OF MACHINE in popular favor. Owing to the demand for a High-Wheel Mower for uneven lawns we have secured what we consider one of the best machines of the kind made. Every customer is more than satisfied with the Continental. A full stock of machines and repairs always on hand.

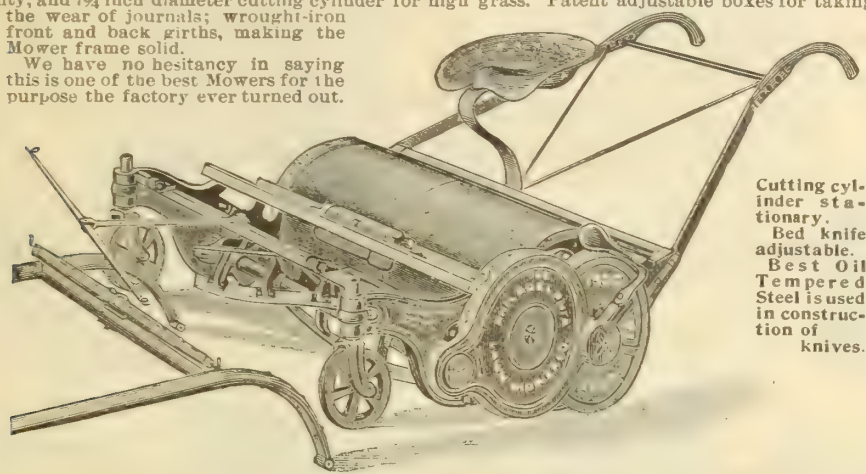
## We Sharpen

during the season hundreds of Lawn Mowers, and in consequence our shop is taxed to its utmost capacity. Every customer wants his Mower first. In order to have the work done properly, we ask our friends to send their Mowers in early. Do not wait until you want to use them.

The Baltimore Horse Lawn Mower is guaranteed to be equal to any machine made; in order to appreciate its good points it is necessary to see it at work on the lawn, where it performs in a most satisfactory manner.

## **THE** **Philadelphia Mowers**

**THE PHILADELPHIA EAGLE HORSE MOWER**, made from entire new patterns, with added weight of iron for strength; increased diameter of cylinder for draft; large shafting and journals for durability, and 7½ inch diameter cutting cylinder for high grass. Patent adjustable boxes for taking up the wear of journals; wrought-iron front and back girths, making the Mower frame solid.  
 We have no hesitancy in saying this is one of the best Mowers for the purpose the factory ever turned out.

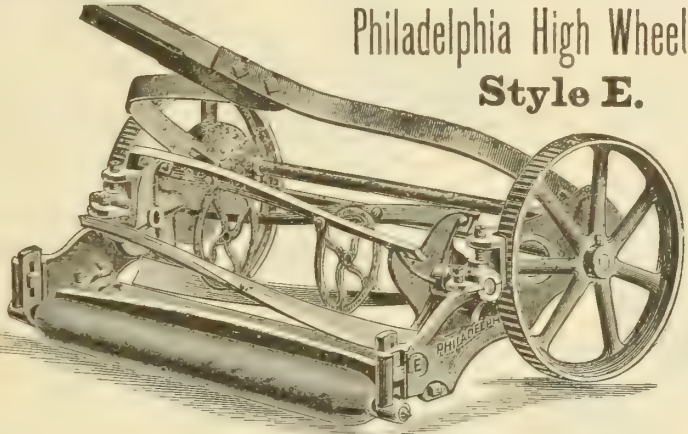


Cutting cylinder stationary.  
 Bed knife adjustable.  
 Best Oil Tempered Steel is used in construction of knives.

### **PRICES.**

**STYLE E.**

List.	Retail.
15 inch,	\$9.00
28.00	10.00
31.00	11.00
21 inch,	12.00
34.00	

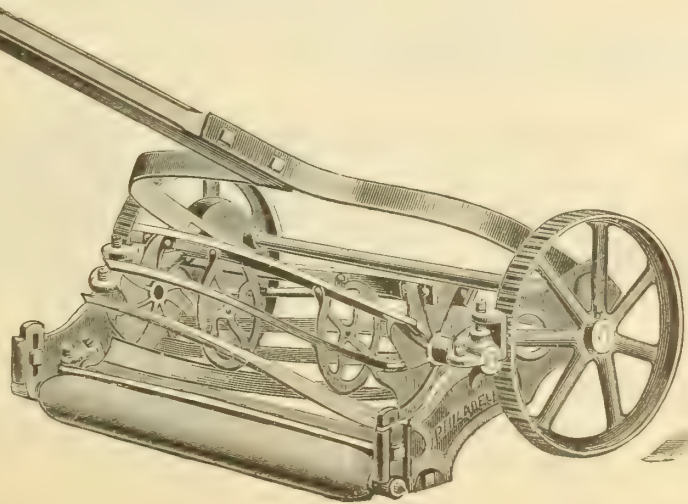


**Philadelphia High Wheel Style E.**

**PHILADELPHIA HIGH WHEEL STYLES.** This Mower contains an improvement that all Mowers lack in their construction. A solid frame, that the **Revolving Cylinder can be Removed** by simply loosening the set screws to the box caps and removing them and the cutting cylinder.

## **GOLF.**

- 8 Blades.
- 10-Inch Wheel.
- 7½-Inch Cylinder.
- Train of 3 Gears.
- Double Ratchet.



## **PHILADELPHIA** **Eagle Horse Lawn Mower**

		List.	Retail.
30 inch	With Seat	\$100.00	\$65.00
35 "	and shafts	125.00	80.00
40 "	and	150.00	95.00
42 "	Draft Pole.	175.00	120.00

Less special discount for cash.

### *The Old Style Philadelphia Horse Lawn Mower.*

This style Mower is being used on all the Government Grounds, Public Parks and Large Lawns in the country. This Mower with the Solid (or Closed) Revolving Cutter, has 4 blades and is the Original Philadelphia Horse Mower. Every machine warranted. In ordering please designate it with Open or Closed Cylinder.

		List.	Retail.
30 in. open	With Draft rod.	\$100.00	\$70.00
30 in. closed		100.00	70.00

Special discount for cash

### **Philadelphia I. X. L. Horse Lawn Mowers.**

These goods are made from the best material and finished by the latest approved methods of manufacture.

		List.	Retail.
30 inch	With Draft Rod.	\$90.00	\$50.00
30 "	With shafts and seat	100.00	55.00
35 "	Complete with shafts and seat	125.00	70.00
40 "	With shafts and seat	150.00	85.00

Special discount for cash

A swingle-tree and chain attachment will be furnished for \$2.00 net if wanted. If used **MUST BE ATTACHED** to the **ENDS** of the side draft attachment, for the draft rod will bend if attached in centre.

## **Golf Mowers**

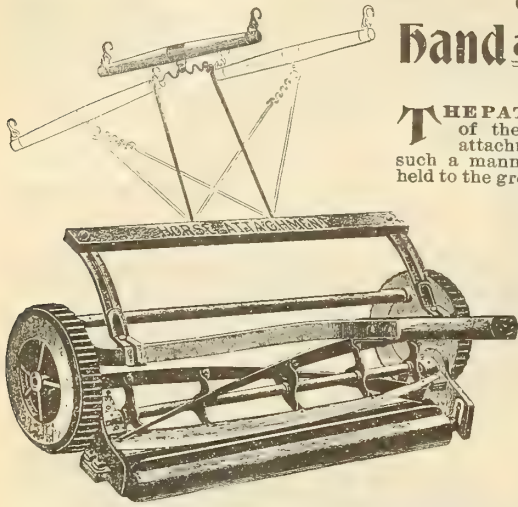
Are similar in style to our High Wheel E Mowers, combining all their improvements, for with their **8 Blades** and peculiarly constructed **Knife Bar** as attached to **side frame** tilting the knife to the ground, it is especially adapted to make a very close, even and fine cut, which is so much desired on Golf Links.

	List.	Retail.
15 inch.....	\$25.00	\$12.50
17 ".....	28.00	14.00
19 ".....	31.00	15.50
21 ".....	34.00	17.00

# GRIFFITH & TURNER CO.

## Lawn Mowers.

CONTINUED.



### COMBINATION Hand and Pony Mower

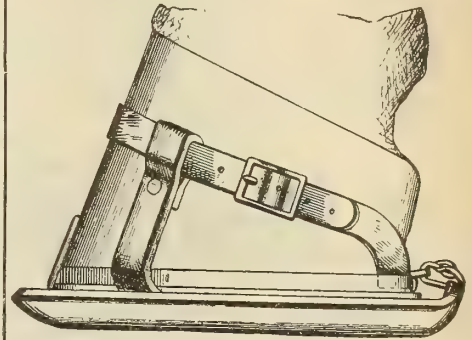
PRICE, \$18.00

**T**HE PATENTED HORSE ATTACHMENT of the Mower is its great feature. This attachment is adjusted to the Mower in such a manner that, in operation, the Mower is held to the ground, and the disagreeable "tipping up" of the rear of the Mower, which is a serious objection to many machines, is impossible. The draft of the Mower is just the same as when operated with the handle.

Diameter of traction wheels, ten inches. Weight, ninety pounds. Best material and workmanship throughout.

Send in  
Your Lawn Mowers  
Early  
For Repairing

### Smith Horse Boot.



**T**HIS LAWN BOOT is a new departure from the old style Boot. It has a base composed of a metallic plate interposed between upper and lower coverings, made of heavy leather. The leather coverings are riveted together. The upper leather is made to fit the frog of the foot.

Attached to this are leather straps to fasten foot securely to the hoof. No chafing of the flesh above the hoof, as so often happens with the old-style Boot.

PRICE PER SET.....\$8.00

### The Arctic Swinging Chair.

The Latest Design for a  
Swinging Chair Yet  
Produced.

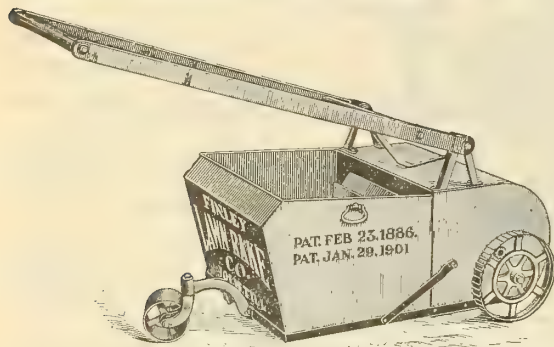
**I**T OCCUPIES on the porch floor a space about six feet long by 3 feet wide and about 6 feet high. It is made of the most substantial material, the best of dry hard wood, with steel arms and braces, and arch of steel tubing. It is provided with a foot rest, adjustable for children or adults, is nicely painted and varnished and has durable canvas back. It weighs about forty-five pounds, folds up easily like a jack-knife, and is readily moved from place to place. It is better and cooler than any hammock, and occupies less space. It is shipped entirely set up and ready for use by the simple adjustment of the thumb-nuts and two bolts. **PRICE, \$4.00.**

### HORSE BOOTS.

For Use on Lawn.

For those who desire a well-kept lawn. Made of leather, with heavy leather bottoms and will fit any horse's feet.

Price, per set, \$8.00



### THE FINLEY Rotary Lawn Rake.

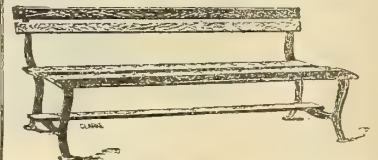
**T**HE CUT shows the general appearance and construction of this Rake. The principle is not unlike that of a carpet sweeper, with steel teeth in the blades, where the brush comes in the sweeper.

The movement of these blades being rotary, causes a blast or suction in revolving, and the loose grass, leaves, twigs and ANY LOOSE LITTER are forced back into the basket which, when filled, is easily removed, so that the contents may be dumped, ready to be carried away. It can be easily adjusted to fit any work by simply turning two nuts.

Nothing escapes it. After the lawn is cut and then gone over with this Rake it's as clean as a carpet and looks beautiful. Simple and strong in construction, durable, with no intricate parts, it is the very acme of perfection as a Rake, and will, once generally introduced, be as indispensable as the Rake will not only look by the teeth, and a much thicker sod is produced by these conditions. **PRICE, \$12.00.**

able as the lawn mower has become. You will find the lawn which has been cared for by our Rake will not only look much handsomer, but will steadily improve in condition, as the surface will always be clean, and the grass is cultivated

### The Most Comfortable LAWN SEAT



is illustrated herewith. It is attractive and gives plenty of room. Just the thing for Parks, Porches, Hotels, Picnic Grounds, Cemeteries, Etc. Painted bright red and varnished. Weight No. 6, sixty-five pounds.

PRICE, 75 CTS. PER FOOT.

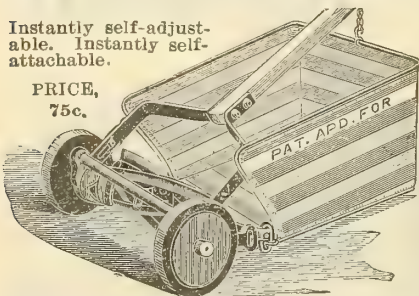
We carry in stock 4 and 5 length Seats.

Can furnish a cheaper Lawn Seat.

### THE CANVAS GRASS CATCHER.

Instantly self-adjustable. Instantly self-attachable.

PRICE,  
75c.



### UNIVERSAL GRASS CATCHER.

A Grass Catcher that will fit any mower. Canvas body, blacked sheet steel bottom. Two sizes—No. 1 will fit 10, 12, 14 and 16 inch mower, and No. 2 will fit 16, 18 and 20 inch. Price, 75c.

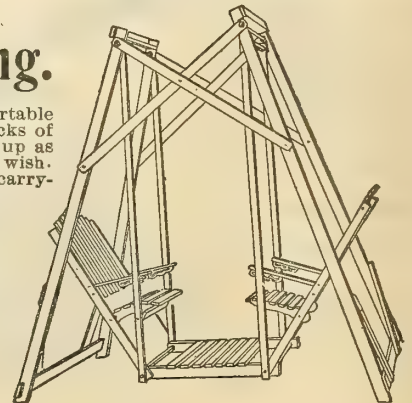
### —THE— Arctic Lawn Swing.

**T**HE ARCTIC SWING affords the most comfortable lounging place you can find, and as the backs of the chairs are adjustable, they can be set up as straight or incline at as great an angle as you wish. It is built of the best hardwood lumber, with a carrying capacity of two adults, but is strong enough to carry six children. Handsomely painted in deep red and nicely varnished.

We can furnish a cheap Swing if same is wanted, but the quality of material and workmanship, of necessity, will not compare with the above, which is the best Swing on the market.

Price, Arctic No. 2, \$6.00

We have a cheaper Swing, but do not recommend it. Price on application.



# **GRIFFITH & TURNER CO.**

## **Water Carts or Trucks, and Combination**

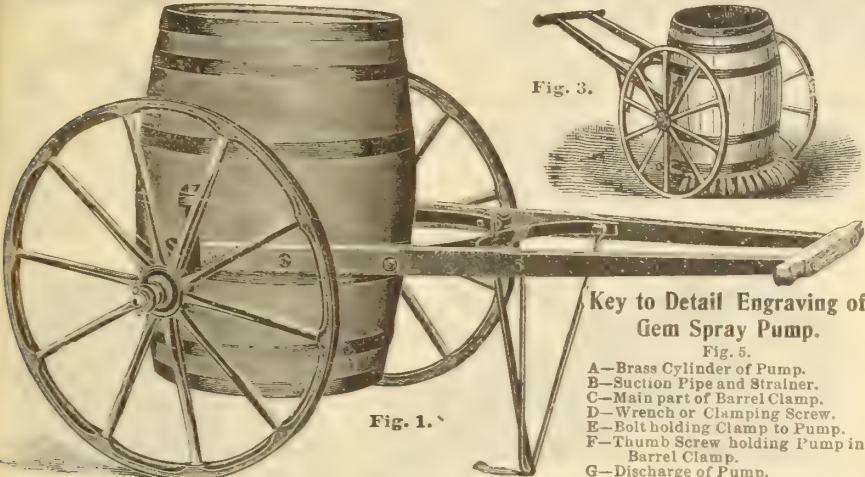
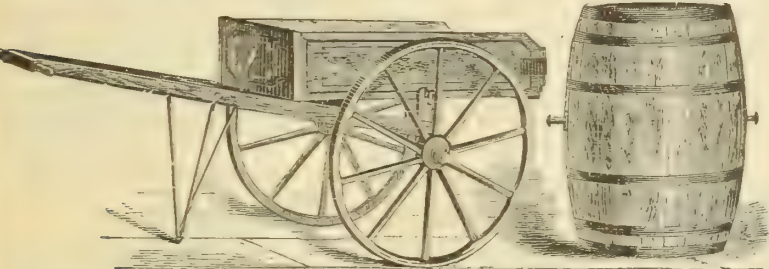


Fig. 1.—This Fig. represents our Barrel Cart to which can be attached the "Gem" Brass Spray Pump. Fig. 5.—This is a convenient combination, and may be found useful in various ways, such as watering gardens, spraying fruit trees, etc.  
 The Barrel Cart and Pump may be ordered separately and arranged together to suit the purchaser. The Barrel Cart may be wheeled about when filled with water, to supply sprinkling cans for watering flowers and vegetable gardens. When the running gear or truck is ordered without barrel the trunnions may easily be fastened to any good water-tight barrel by any person with ordinary mechanical ability.

**Key to Detail Engraving of Gem Spray Pump.**  
 Fig. 5.  
 A—Brass Cylinder of Pump.  
 B—Suction Pipe and Strainer.  
 C—Main part of Barrel Clamp.  
 D—Wrench or Clamping Screw.  
 E—Bolt holding Clamp to Pump.  
 F—Thumb Screw holding Pump in Barrel Clamp.  
 G—Discharge of Pump.



**THIS** shows our Sprinkling Cart, which is indispensable about parks, cemeteries and country seats for watering roads, drives, walks, lawns, etc. The wheels have wide tires and the whole outfit is well made. It can also be used as a Tank Cart for carrying water, spraying trees and removing matter from cesspools, vaults, etc. Cart for spraying trees and crops. It is substantially made throughout. There is a valve in the bottom of tank, operated by lever, within easy reach of driver. List, \$90.00. Retail, \$75.00.

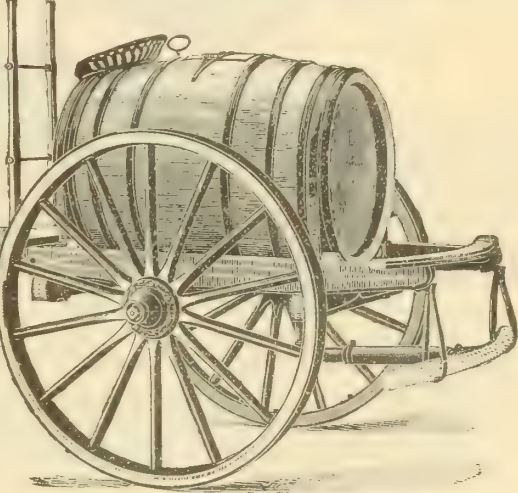


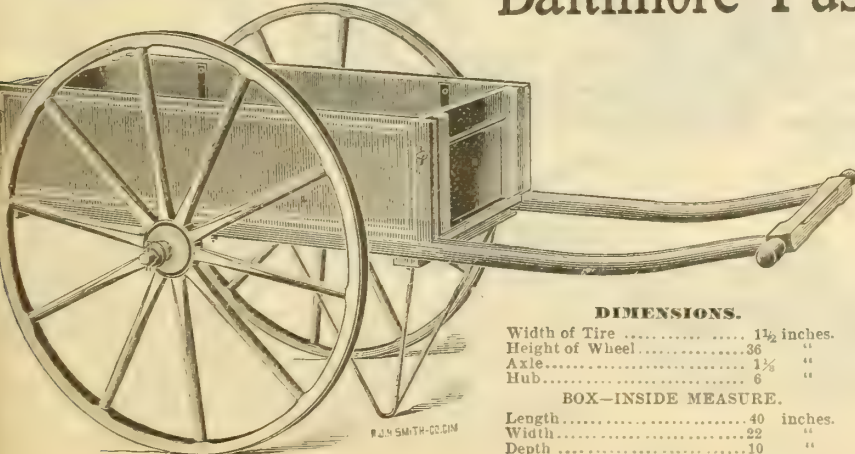
Fig. 1 shows Truck and Barrel.  
 Fig. 2 shows Truck with Leaf Rack Attachment.  
 Fig. 3 shows Truck and Barrel with Sprinkler Attachment.  
 Fig. 4 shows Truck and Box, with Barrel Detached.  
 Fig. 5 shows Gem Spray Pump.

PRICE LIST.		
	List.	Retail.
Water Truck	\$10 00	\$5 50
Water Truck and Barrel	13 60	7 50
Water Truck and Box	13 60	7 50
Water Truck, Barrel and Box	17 20	9 50
Gem Spray Pump Attachment	9 00	5 00
Sprinkling Attachment	4 00	2 50
Leaf Racks	7 00	4 00
New Barrel	3 60	2 25
Box	3 60	2 25
Trunnions, per pair, 50c.		
For 2 inch Tires on Trucks add to the above price—		
Retail, \$1.00. List, \$1.50.		
For 4 inch Tires on Trucks add to the above price—		
Retail, \$1.50. List, \$2.50.		

EXTRA TRUCK WHEELS.		
	List.	Retail.
Regular Tire	\$3 00	\$2 00
2 1/2 inch Tire	4 00	2 50
4 inch Tire	4 50	2 75

**Baltimore Lawn AND Street Sprinkler**  
 List \$90.00. Retail \$75.00.

## **Baltimore Push Cart.**



**DIENSIONS.**

Width of Tire	1 1/2 inches.
Height of Wheel	36 "
Axle	1 3/4 "
Hub	6 "

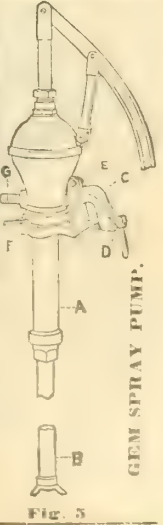
**BOX—INSIDE MEASURE.**

Length	40 inches.
Width	22 "
Depth	10 "

**Fig. 7**  
 For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a most useful vehicle. There are so many purposes for which they can be employed—carrying bundles, printers' forms, farmers' tools and light implements, etc. It is never out of place, and always ready to pick up at short notice. They are nicely finished; higher wheels, better ironed and altogether superior to anything of its kind on the market. There is now an immense demand for these carts, but notwithstanding we have placed the price low.

**PRICES.**

Retail	\$7 50
List	13 50



# GRIFFITH & TURNER CO

## NEW UNIVERSAL GARDEN TOOLS.

### Matthews' *New Universal* Garden Drill.

ONE OF THE STANDARD DRILLS OF AMERICA.

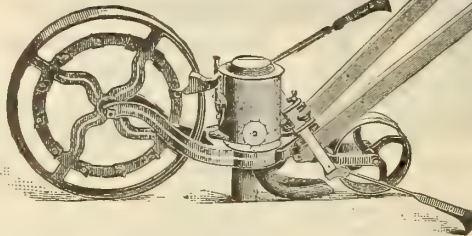
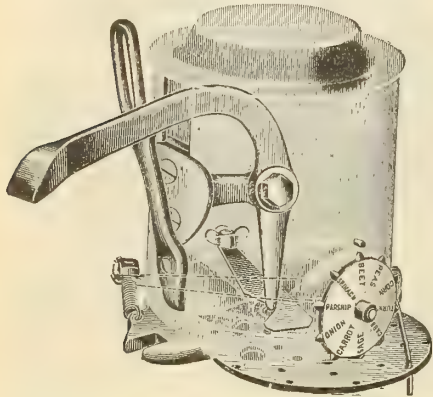
SIMPLE IN CONSTRUCTION. NEAT IN DESIGN. EFFICIENT IN OPERATION. NONE BETTER CAN BE PROCURED.

Medals and testimonials confirming the superiority of the "Matthews" have been repeatedly bestowed upon it from all quarters, and as it has been improved from time to time it has always been acknowledged ONE OF THE MOST PERFECT DRILLS MADE. The present form is the neatest and simplest yet produced, and cannot fail of proving an even more popular modification of this reliable Drill.

Our Retail Price .....\$6.25

List Price .....\$8.00

### The Seeding Device.



Seeding can be regulated to exact quantity desired.

PATENT SEED INDICATOR USED ON ALL GENUINE DRILLS.



THE SEEDING DEVICE employed on all Matthews' Seeders is set forth in the accompanying illustration, showing transparently the solid wall of the seed box. The indicator, which is also shown above, has the names of the various seeds plainly marked upon it. The dial has a separate hole for each kind of seed, which registers in the CENTRE of the hole in bottom of seed-box. The hole in the dial may be gauged to a nicety by means of the REGULATOR, held by a thumb-screw. To lead the seed to the central opening there is provided a CORRUGATED and shouldered bottom, which admits of dropping any quantity of seed, even to a SINGLE PAPER. The feed is practically a force feed. No other device ever met with the success of the AGITATOR. Principally for dropping all the small garden seeds. The seed is not bruised or damaged by the AGITATOR. The MANUAL CUT-OFF indicated in the illustration by the dotted line, with its spiral spring connection, is worked from the handle by a wire, and the flow of seed may thus be instantly checked. No seed need be wasted in turning rows.

### Matthews' *New Universal* Hill and Drill Seeder.

This implement is the same in style and working qualities as the one just described, but is arranged so as to drop the seed continuously in drills or at a distance of 4, 8, 12, 16, 24 and 48 inches apart. The adjustment from drills to hills is made by one screw in attaching a brass cut off to the agitator. The distance apart is regulated by the number of cogs on the driving wheel against which the agitator strikes. The seed cannot drop except when the hole in the bottom of seed-box is opened by the agitator striking a cog on the wheel, and it immediately closes again as the agitator drops. This saves seed, as no more need be dropped at a time than is desired, no matter what the distance may be. There are no parts to wear or get out of order. If this implement is wanted be sure and order the "Hill and Drill Seeder," as the regular garden drill cannot be fitted with the attachments. Our retail price, \$7.00. List price, \$9.00.

The manufacturers of this line do not make a Hill and Drill Seeder with cultivating attachments, and we would recommend, as FAR PREFERABLE, one of the above separate drills and a separate single wheel hoe complete, for which our retail price covering the two separate implements is only \$11.25.

### Matthews' *New Universal* Constellation Seeder, Hoe, Cultivator, Plow, Rake and Marker.

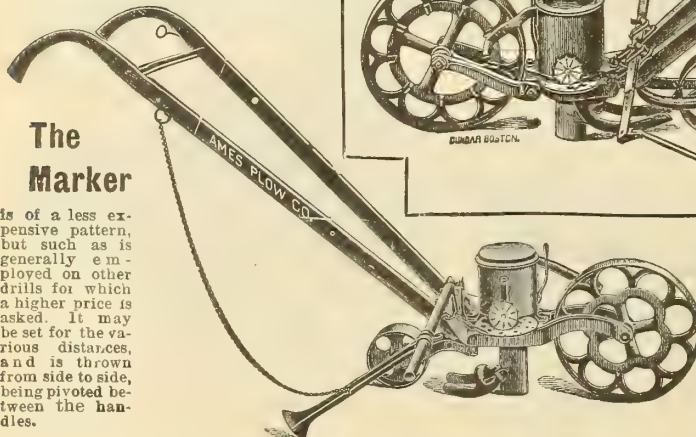
This is not only a desirable combination of the Garden Drill already described with the New Universal Cultivating attachment, but it has the advantage of being either a double wheel or single wheel implement at will, the change from one to the other being readily made.

The use of a one-wheel Seed Sower insures the nicer work, as if two wheels are used an obstruction under one wheel or the other has a tendency to crook the rows, and this makes after-cultivation harder. The operator always has a one-wheel seeder under full control, and in addition the single wheel follows in the mark made when planting the previous row and presents a right to keep the rows straight. The two wheels are desirable, however, when used as a cultivator or wheel hoe, as in this way the rows of young plants may be straddled and the cultivating done on both sides of the row at one passing. The special feature of this implement is that when used in straddle row cultivation there is no projection below the frame to interfere with plants. The combination is one which cannot fail of recommending itself to all. The attachments are—One (1) Pair Hoes, Five (5) Cultivator Teeth, One (1) Pair Rakes, One (1) Pair Plows.

List Price, boxed.....\$10.50

Net Price, ".....8.00

Can be used as one wheel or two wheel.



### The Marker

is of a less expensive pattern, but such as is generally employed on other drills for which a higher price is asked. It may be set for the various distances, and is thrown from side to side, being pivoted between the handles.

### *New Universal* Gem Seed Drill.

It has a new seed regulator for gauging the exact flow of seed required; seed cut-off for stopping the flow while turning at the ends of rows, and marker adjuster for marking the rows at any desired distance apart. We do not recommend it for use instead of the larger drills, but we are sure that all in want of such a drill as we represent will find this to be a very valuable implement.

Retail Price, \$4.75 List Price, \$6.25

Send for Special Catalogue containing full description of all New Universal and Matthews' Tools.

GRIFFITH & TURNER CO.

*New Universal*

TO WORK BOTH SIDES of a row at one passing, the attachments can be set to suit width of crop to be cultivated, keeping row midway between wheels.

**THE HOE BLADES** can be set to turn in or out, as desired by the operator.

**THE CULTIVATOR TEETH.**—Four are furnished with each. Two cultivator teeth can be used at desired width to mark out rows.

**THE PLOWS.**—For furrowing they can beset close together and turn outward.

FOR COVERING, set to width desired, and turn inward.

THE RAKES.—For fine cultivation and other uses of an ordinary rake. They can be set angling or straight across.

The depth can be regulated by adjusting wheel arms in the three holes provided on each side of Arch. The depth can also be regulated by pitching the Arch by means of the Arch Brace and the Thumb Bolt, where it connects, to lower Handle Brace.

THE LEAF GUARDS are to prevent wheels from injuring large, spreading foliage.

1 Pair Hoes.	1 Pair Narrow Cultivators.
1 Pair Plows.	1 Pair Wide Cultivators.
1 Pair Rakes.	1 Pair Vine Guards.

**Our Retail Price, \$5 00.**  
**List Price, 6.50.**

Specially designed for working both sides of the row at one passing.

# New Universal

**WITH HOE BLADES ONLY.** Retail Price, \$3.25. List Price, 4.25.

**New Universal** High Arch  
Expansion Wheel Hoe, Cultivator, Rake and Plow. 

**List, \$9.50.**

Retail, 7.50.

# New Universal

**Retail Price, \$1.50.**  
**List Price, 2.00.**

This is the same Plow, and is standard, as used in the NEW UNIVERSAL HAND WHEEL PLOW, fitted with long handle, to be drawn instead of being pushed.

**New Universal** Hand Single Wheel Hoe, Cultivator, Plow and Rake.

As with the Double Wheel Hoe described, this can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side, so as to bring the row of young plants under centre of frame. Later cultivation must be done between rows.

THE ATTACHMENTS ARE:

1 Pair Hoes.	5 Cultivator Teeth,	1 Pair Plows.
1 Pair Rakes.	1 Vine or Leaf Guard.	

**Retail Price, \$4.25.      List Price, \$5.75.**

**New Universal**

Retail, \$2.50. . . . . List, \$3.25.

# New Universal

**Retail Price, \$3.75.**  
**List Price, - 5.00.**

# New Universal

*Hand  
Wheel  
Plow.*

This can be used to prepare the ground, to furrow out, to cover and to cultivate. The mould board is of steel, polished and tempered.

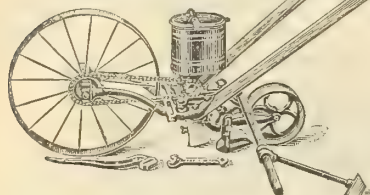
Retail Price, \$2.00.

List Price, \$2.50.

**Send for Special Implement Catalogue containing Full Description of all New Universal and Matthews' Tools.**

## **IRON AGE WHEEL HOES AND DRILLS.**

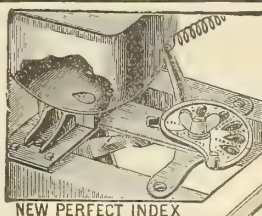
The No. 18  
**"Iron Age" Seed Drill**  
 is without doubt one of the  
 Lightest, Strongest and Most  
 Reliable  
 Seed Drills on the Market.  
 Price, \$6.00.



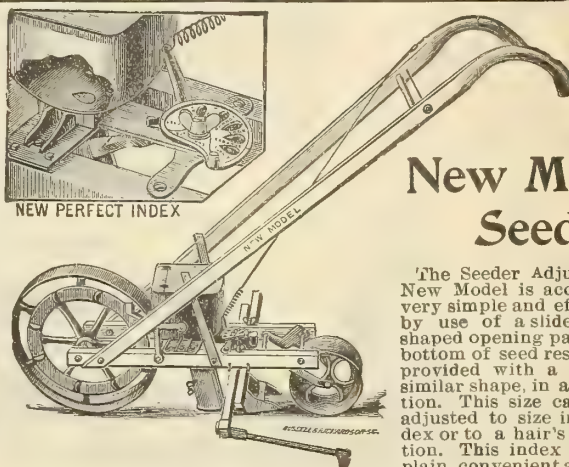
### **Iron Age Seed Drill**

No. 17—Same tool with  
 the addition of the cul-  
 tivator tool.

Price, \$8.00



NEW PERFECT INDEX



### **New Model Seed Drill**

The Seeder Adjustment in the  
 New Model is accomplished in a  
 very simple and effective manner  
 by use of a slide with a pear-  
 shaped opening passing under the  
 bottom of seed reservoir, which is  
 provided with a perforation of  
 similar shape, in a reversed posi-  
 tion. This size can be instantly  
 adjusted to size indicated by in-  
 dex or to a hair's breadth varia-  
 tion. This index or indicator is  
 plain, convenient and reliable. It

is placed in open sight, and can be quickly adjusted to the slightest variation  
 desired. The names of the principal seeds are plainly shown on the index.  
 The flow of seed can be instantly stopped by a swinging cut-off, conveniently  
 operated by a cord and ring on handle. The cut-off prevents all loss of seed  
 at end of rows, and its swinging or gravity form will be found far preferable  
 to one that slides under, as it cannot be jammed by the falling seed. Each  
 drill is crated and carefully packed for shipment. Packed weight about 40  
 pounds.

PRICE.....\$6.50

### **No. 4 Iron Age Combined Double Wheel Hoe and Seed Drill.**

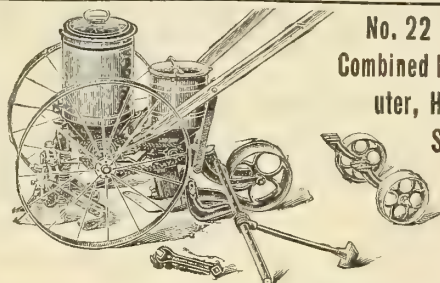
Price, - - - \$9.00



all the seeds varying in size from celery to corn. The change from a seed drill to a  
 wheel hoe is made by simply detaching the seed hopper, with its frame, coverers,  
 tool is light, strong and easy running.

The above tool fitted with Hill-Dropping Device, furnished as the No. 6 Combined  
 Tool, for \$1.00 additional, making the price \$10.00.

The No. 22  
 "Iron Age Com-  
 bined Fertilizer  
 Distributor, Hill  
 and Drill Seeder  
 sows fertilizer  
 in two streams  
 and places the  
 seed sown either  
 in hills or drills  
 between the fer-  
 tilizer—an ideal  
 way of planting  
 just where it  
 will do the great-  
 est good.



### **No. 22 "IRON AGE" Combined Fertilizer Distrib- uter, Hill and Drill Seeder.**

PRICE,  
 \$16.00

FOR all gardeners and truckers who  
 require a Seed Drill of large seed capacity  
 we offer the No. 8 Iron Age Hill and Drill  
 Seeder. The WHEEL is made of steel, 15  
 inches high. The HOPPER is low,  
 therefore the delivery of the seed is  
 close to the ground. The agitator is  
 a revolving brush, which abso-  
 lutely does not injure the seed.  
 The Seeder will sow in con-  
 tinuous rows or drop in  
 hills at 4, 6, 8, 12 or 24  
 inches apart.



### **No. 8 Iron Age Hill and Drill Seeder**

PRICE,  
 \$9.00

### **No. 1 Iron Age Double Wheel Hoe.**

PRICE, \$6.00



### **No. 20 IRON AGE SINGLE WHEEL HOE**

is a steady, strong, light and easy-running  
 tool. A Seed Drill Attachment for sowing  
 in rows only, or sowing both in rows or  
 drills, can be applied. Price, \$3.00 and  
 \$4.00, respectively. When applied  
 the tool is identical with our Nos. 15  
 or 17, depending upon which  
 seed attachment is applied.



### **No. 20 Iron Age Single Wheel Hoe. Price, \$5.00**

**No. 3 IRON  
AGE DOUBLE  
WHEEL HOE—**  
 Same tool as  
 shown in cut  
 above, but with  
 hoes only \$3.50  
 A Seed Drill At-  
 tachment for  
 sowing in rows  
 only or sowing  
 both in rows and  
 hills can be ad-  
 ded, \$3.00 and  
 \$4.00, respec-  
 tively. When ap-  
 plied the tool is identical with the No. 4 or No. 6 Iron Age Combined Tool, depend-  
 ing upon which seed attachment is applied.

In cultivating onions, beets, turnips, radishes, etc., it is invaluable—saves hours of hard  
 labor, and does the work better than several men could do it in the same time. One great  
 advantage which this double wheel hoe possesses is that it can be made into a practical single  
 wheel hoe in a moment's time. An axle is sent with every double wheel hoe for this purpose.  
 The wheels are 16 inches high, enabling the wheel hoe to run easy and without yielding to the  
 depressions of the soil. The frame being made of tubing, coupled to malleable castings, gives  
 it great strength, together with lightness. All the tools shown in the cut go with the machine.

No. 22 Iron Age Combined Fertilizer Distributer,  
 Hill and Drill Seeder. Price.....\$16.00

No. 23. Same as 22, without the Seed Attachment.  
 Price .....\$12.00

**"Iron Age" Wheel Hoes and Seed Drills==Continued.**

In the accompanying cut we show a tool of exceeding lightness, but of great strength, which is designed to do a greater variety of work than any other tool of the same price.

NO. 12

"IRON  
AGE."

## Wheel Plow and Cultivator.

PRICE.

**\$3.00.**



For the kitchen garden we consider our No. 9 "Iron Age" Single Wheel Hoe, with its many meritorious points, as a very valuable tool.

NO. 9

"IRON  
AGE."

Single  
Wheel  
Hoe.

PRICE,

**\$4.50.**

It plows, rakes, hoes,  
cultivates and hills.



**The BALTIMORE  
SINGLE WHEEL  
GARDEN CULTI-  
VATOR.** 

This Cultivator has an entirely new arrangement of frame which is strong, neat and compact, and with the aid of the different attachments, can be used for hilling, furrowing or covering. The hilling attachments or weed cutters and to or from the plants, and can be set at any angle desired. Wheel and handles are both adjustable.

Price, without Rakes.... **\$3.50.**  
Price, with Rakes.... **4.00.**

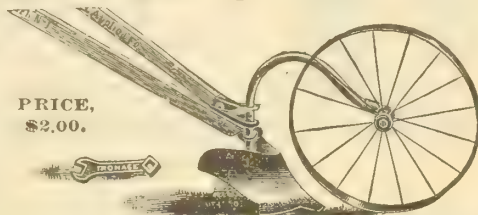
Price, without Rakes.. \$3.50.  
Price, with Rakes..... 4.00.

Price, with Rakes..... 4.00.



No. 11 Iron Age Wheel Plow.

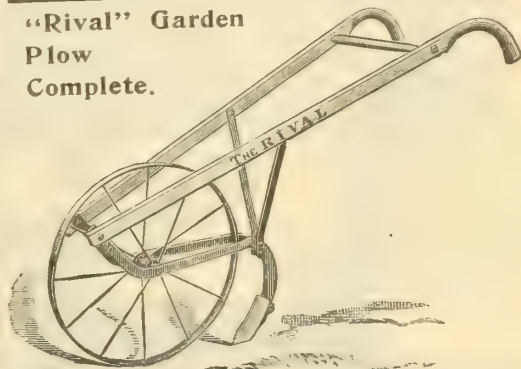
PRICE,  
\$2 00.



A tool needed in every kitchen garden for breaking ground, opening furrows, ridging up, covering and plowing.

Also an excellent tool for poultry men in turning under the droppings in poultry yards.  
So light it can be carried around the garden and used as readily as a common hoe.

**"Rival" Garden  
Plow  
Complete.**



One of the  
Most Popu-  
lar - - -

## GARDEN PLOWS

Made.....

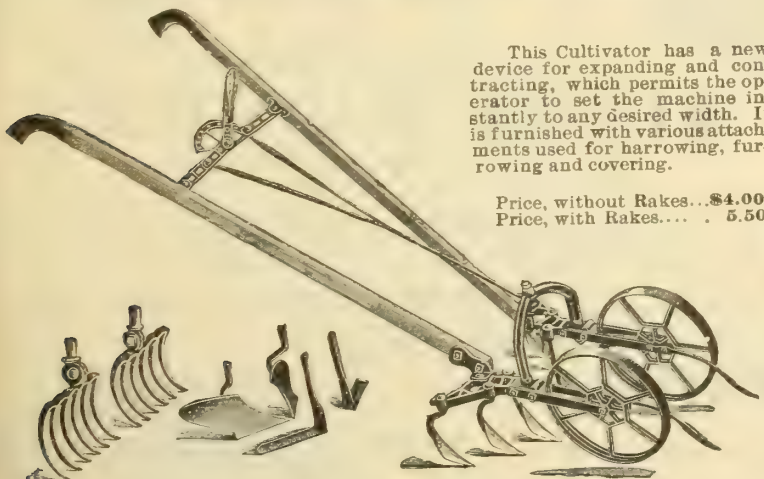
PRICE, \$2.90.

This Cultivator has a new device for expanding and contracting, which permits the operator to set the machine instantly to any desired width. It is furnished with various attachments used for harrowing, furrowing and covering.

Price, without Rakes...\$4.00.  
Price, with Rakes.... 5.50.

Price, with Rakes.... 5.50.

*The* Baltimore Double Wheel Cultivator.



The attachments shown in the annexed cuts of

# The Baltimore Cultivators

except the Rakes, are furnished with each implement at the prices named.

This tool is a universal favorite. The Beam is made of very stiff steel, and is constructed so that when handles are attached, the centre of weight falls directly over the pivoting point, which forms the axle for wheel, making it self-balancing, and which admits of its being propelled with a minimum amount of power. Handles can be raised or lowered to suit man or boy. The different extras used on the "RIVAL," are:

SHOVEL, CALF-TONGUE, WEEDER,  
MOULD-BOARD AND RAKE.

The "RIVAL" does satisfactory work, and you will find nothing better.

## **BALTIMORE CEDAR WASHER.**

ELECTRIC WELDED WIRE HOOPS.



**PRICE**  
**\$4.00.**

**T**HE Baltimore Washer is constructed of the best white cedar, very strong, nicely finished, and is one of the largest round washers on the market. Round Electric Welded Hoops of extra heavy galvanized wire, fitted in a groove around the machine, which prevents them from dropping off. The Baltimore is supplied with improved gearing, and all the castings are japanned. The inside is fully corrugated, similar to a washboard, having no nails or block of any kind. The bottom and sides are corrugated; in others the corrugation runs only the length of the staves, thus making crevices for dirt and allowing the steam to escape through the top, and water to leak through the bottom. The bottom of the tub is larger than the top, allowing plenty of room for water and clothes. In this machine is placed a square galvanized iron rod fastened firmly to the dolly.

Instead of using a square wooden post to work the dolly, (that is, the circular wooden revolving head, that holds the clothes in position), in this machine is placed a square galvanized iron rod fastened firmly to the dolly. This whole

arrangement can be lowered or raised by the operator without removing the tops and it will also accommodate itself automatically to the quantity of clothes, rendering it impossible to tear the most delicate fabric, as this offers nothing to which the clothing can catch.

PRICE, \$4.00.

## **The Maryland Washer.**

To meet the demand for a low-priced Washer we offer the Maryland, which is made of pine instead of cedar, but in all other respects is the same as the Baltimore Cedar, shown above.

PRICE, \$3.50.

## **Griffith & Turner Improved Cedar Rotary Washer.**

ELECTRIC WELDED WIRE HOOPS.

It is a fact unquestionable that white cedar is the only wood known that successfully resists the action of water, as, witness, white cedar shingles and posts, oftentimes last for a hundred years. Ninety per cent. of the washtubs used are made of cedar, because they are preferred. That being the case, why should not cedar washing machines also?

## **The Balance Wheel Does the Work.**

The Griffith & Turner Cedar Rotary Washer is the lightest running and easiest working machine on the market. No expense has been spared to perfect it. By turning the fly-wheel, which weighs eighteen pounds, the pin-wheel or dolly inside the tub is made to rotate in opposite directions.

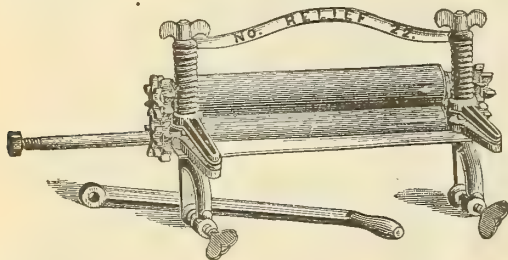
There are no cams, clutches or springs—nothing to wear out or get out of order. Fly-wheel can be turned in either direction.

This is the only Rotary Washer that the dolly rod passes up through lid, thus giving large space through which to take clothes out.

The tubs are made of selected VIRGINIA WHITE CEDAR, and are nicely corrugated on sides and bottom. The hoops are made of galvanized wire, and are welded by electricity. These are much stronger than the old style flat hoops, and CANNOT DROP OFF, being sunk in grooves.

The dolly post in this machine works on the same principle as our Baltimore Cedar. See above.

PRICE, \$7.00.



## **RELIEF WRINGER.**

Iron Frame. The Frame is Made Entirely of Wrought and Malleable Iron.

By the use of the thumb-nuts and spiral springs in this Wringer, the pressure can be adjusted quickly for either heavy or light work; therefore the rolls are never over-strained, and will wear much longer than the ordinary iron frame wringer.

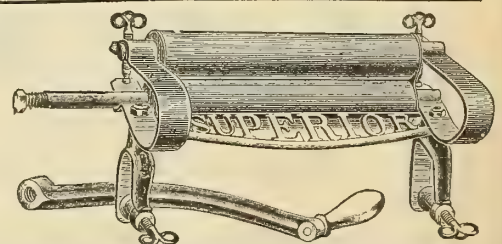
With Cog Wheels. Five sizes. Packed four and six in a case.

No. 22.—Small Family. Size of Rolls, 10x1¾ in. Price, \$3.00. Rolls each, \$1.25.  
 No. 44.—Large Family. Size of Rolls, 12x1¾ in. Price, 3.50. Rolls each, 1.50.

## **SUPERIOR WRINGER.**

We also carry a stock of the following well-known Iron Frame Wringers:

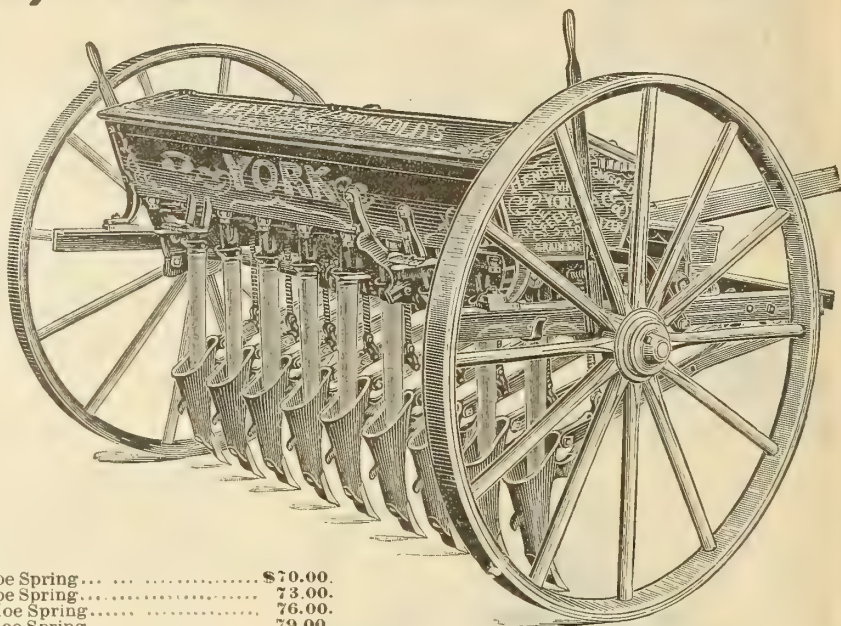
NAME	SIZE OF ROLLS.	PRICE.
Superior.....	10x1¾ in.....	\$2.50.
Superior....	12x1¾ in.....	3.25.
Star.....	10x1¾ in.....	1.50.
Extra Rolls.....		1.00.



ALL KINDS OF MACHINERY REPAIRED.



 SPECIAL PRICES FOR CASH.



GRAIN DRILL TUBES AND POINTS.

For all leading Grain Drills,  
including York, Superior,  
Pennsylvania, Bickford &  
Hoffman, Buckeye, Hoosier,  
Indiana, Champion, Empire,  
McSherry, Hagerstown,  
Greencastle, etc. ☺ ☺ ☺

**IN** ordering Tubes it is always best to send an old Tube as a sample; if that cannot be done, be sure to state name of Drill, the kind of Tube, whether with ring, flange or plain top, or special bell-shaped top with straps, and by all means the length and diameter at top and bottom. Also with regard to points, either send an old one or give name of Drill, length of point, and be sure to give distance from centre of hole to end of point. It is always best, if possible, to send an old sample. If our customers will carefully comply with the foregoing directions, it will be a mutual saving of an immense amount of time.

Price, Tubes.....20 cents each.

Price, Points ..... 10 cents each.

**T**HE celebrated "Marks" Fertilizer Feed is used on this Drill. The device for changing quantity is entirely new and has been thoroughly tested, and consists of a simple speed gear direct and adjustable mounted on the axle. The flow is stopped automatically when the discs are raised. When spotting shocks in sowing corn ground, can be thrown out of gear without raising the discs.

**DISC BOOT.**—Our Delivery Disc Boot is specially designed, and very complete and prevents choking or clogging in any soil. There is a chilled iron spindle, which will last for years if it will ever wear out. The scrapers for discs are of spring steel, and are adjustable.

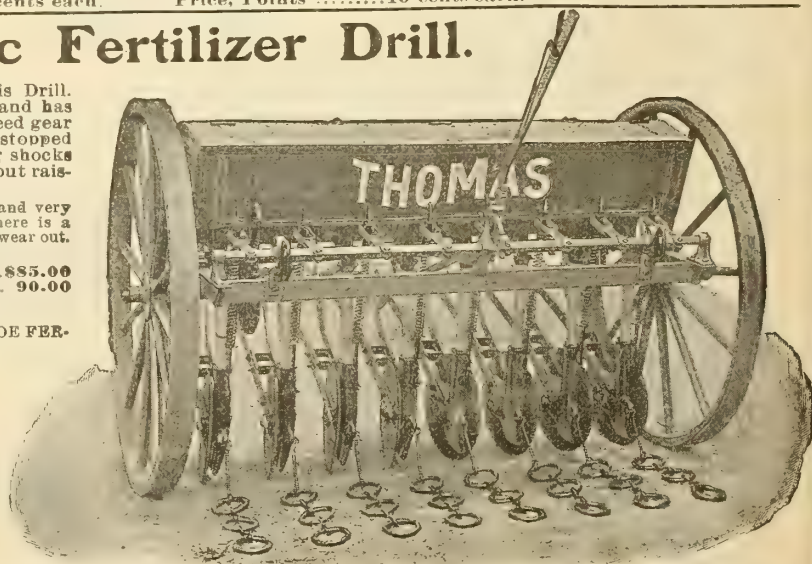
8-Disc Drill .....	<b>\$75.00</b>	10-Disc Drill.....	<b>\$85.00</b>
9-Disc Drill.....	<b>\$80.00</b>	11-Disc Drill.....	<b>\$90.00</b>

We also carry the celebrated THOMAS SPRING OR PIN-HOE FERTILIZER DRILLS.

Spring Hoes, in the place of Pin Hoes, are furnished, if desired, at a small extra cost. They are especially adapted to rough, stony or rooty ground. The spring is strong and effective. In case of breakage of spring, anyone can quickly make a pin of wood, and go on seeding.

8-Hoe Pin.....	\$65.00	8-Hoe Spring.....	\$70.00
9-Hoe Pin.....	70.00	9-Hoe Spring.....	75.00
10-Hoe Pin.....	75.00	10-Hoe Spring.....	80.00
11-Hoe Pin.....	80.00	11-Hoe Spring.....	85.00
12-Hoe Pin.....	85.00	12-Hoe Spring.....	90.00

SPECIAL PRICES FOR CASH.



## **Broadcast Hand Seed Sowers.**



For Sewing Clover, Timothy, Millet, Oats, Wheat, Hemp, Barley, Rye, Rice, Buckwheat, Etc. A Model for Accuracy and Durability.

PRICE, \$3.50

Sows from 4 to 8 acres per hour at an ordinary walking gait, throwing wheat about 40 feet wide. A saving of four-fifths of the labor and one third of the seed is effected by the use of this machine, and a person entirely unused to sowing by hand can use it with perfect success.

To Sow THICKER OR THINNER WITHOUT CHANGING THE SLIDE.—Having set the index to the desired quantity per acre—taking the average of the field—the operator can easily sow a little thicker upon those places where the soil is richer, by taking shorter steps and thus not going so fast, and upon the poorer spots of ground it can be sown thinner by taking longer steps and consequently passing more rapidly forward.

ABOUT SOWING IN THE WIND.—Any one familiar with the use of the machine can sow satisfactorily in a much stronger wind than will admit of sowing well by hand; but as the ordinary work of a day can easily be done with the Sower in two or three hours, that time may be chosen early in the morning or late in the evening, when it is usually calm or nearly so.

FOR SOWING IN STANDING CORN the machine will be found of the greatest utility—nothing can ever equal it for this purpose—but will not sow as wide as on fallow ground, in consequence of the obstruction which the corn offers to the seed. A broader lap is therefore required by making the passages nearer together. (See directions).

The breadth of the cast will be according to the weight of theseed.	Wheat and Rye, 30 to 36 feet.	Oats, 21 to 25 feet.
	Barley, 27 to 33 feet.	Clover, Millet, Hungarian Seed, 20 to 24 feet.
	Hemp, 27 to 30 feet.	Timothy, 15 to 18 feet.

### **DIRECTIONS FOR GAUGING THE MACHINE.**

The large gate is to be used when sowing grain and the small gate in the larger one for grass seed only. First close the slide or gate tight, then fix the lower edge of the index point against the scale of inches on the slide for the different seeds as follows:

FOR WHEAT AND RYE.—To sow two bushels to the acre, at 1 inch. To sow one and a half bushels to the acre, at  $\frac{3}{4}$  of an inch.

FOR BARLEY.—To sow two bushels to the acre, at 1 inch. To sow one and one-eighth bushels to the acre, at  $\frac{1}{2}$  of an inch.

FOR HEMP.—To sow one bushel to the acre, at  $\frac{1}{2}$  an inch. To sow one and a quarter bushels to the acre, at  $\frac{3}{4}$  of an inch.

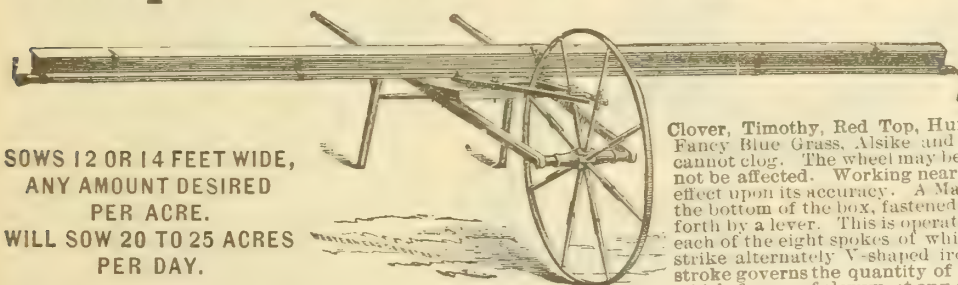
FOR OATS.—To sow two bushels to the acre, at  $1\frac{1}{2}$  inches. To sow one and a half bushels to the acre, at  $1\frac{1}{4}$  inches.

When ready to sow, first commence turning, and with the left hand raise the slide until the nib on the slide comes against the index point. Be careful to walk and turn, as above directed. To close the slide, do it with a quick stroke.

pressure of the left hand. they are wide or narrow.

To sow wheat or rye in standing corn, two bushels to the acre, set the index at  $\frac{3}{4}$  of an inch and sow five or six rows at a time, according as the ground is wide or narrow. FOR GRASS SEED.—To sow one peck of grass seed to the acre, raise the small gate  $\frac{3}{4}$  of an inch; half a bushel,  $\frac{1}{2}$  of an inch.

## **Thompson's Clover and Grass Seeder.**



SOWS 12 OR 14 FEET WIDE,  
ANY AMOUNT DESIRED  
PER ACRE.  
WILL SOW 20 TO 25 ACRES  
PER DAY.

The plate for this pin is accurately marked in figures, indicating the quantity of seed sown per acre. By use of a thumb-screw the lever can be thrown out of connection, when a sowing stops, the feed rope covering the holes in the bottom of the hopper, through which, when at work, it forces the seed. Manilla rope is used because it is better than wire or any substitute. It does not wear the groove, bruise the seed, or fail in its work—wire rope will. Being scorched and chemically treated, our rope is weather-proof. It is provided with an iron wedge at one end of the feed rod, so that it may be loosened when not in use.

No. 1—Complete Clover and Grass Seeder, the most popular style..... \$6.00  
No. 2—Complete Seeder, with Double Hopper and Red Top, Orchard Grass, Blue Grass, Lawn Grass, as well as Clover ..... 8.00



### **The Cyclone Hand Broadcast Seed Sower.**

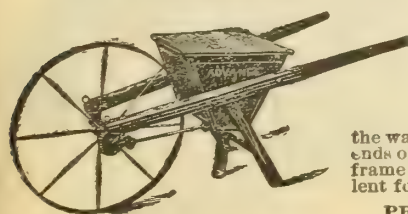
This Seeder is accurate, strong, light and durable. The best medium-price machine of its kind on the market.

PRICE.....\$2.00

### **Chicago Seeder.**

A good Seeder, at a very low price. This is the most satisfactory Bow Seeder made.

PRICE.....\$1.50



### **Advance Pea and Fertilizer Drill**

The agitator is new, being of steel in the form of two knife-shaped arms sweeping around under the mass of the fertilizer and throwing it upon the revolving disc below.

A shut-off has lately been added, whereby the waste of fertilizer is stopped when turning at ends of rows. As shown in cut, loops are bolted to frame for the purpose of attaching a horse. Excellent for sowing fodder, corn or ensilage.

PRICE.....\$6.00

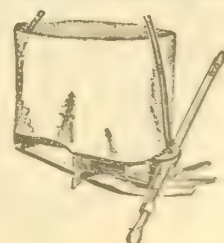
### **Champion Jr. Seeder**

A MODERATE PRICE MACHINE.

The accompanying illustration shows our CHAMPION JR. SEEDER, a moderate price machine.

GUARANTEED equal to any other make on the market.

PRICE..... \$1.00



## **Corn Planters**

### **HENCH & DROMGOLD'S CORN PLANTERS.**

#### **Steel Frame Single Row Planter, With Fertilizer Attachment.**

**PRICES:**

Plain Planter...	\$11.00.
Planter, with Fertilizer Attachment...	13.00.
Extra Dropping Dies, each...	.50.
Special Price for Cash.	

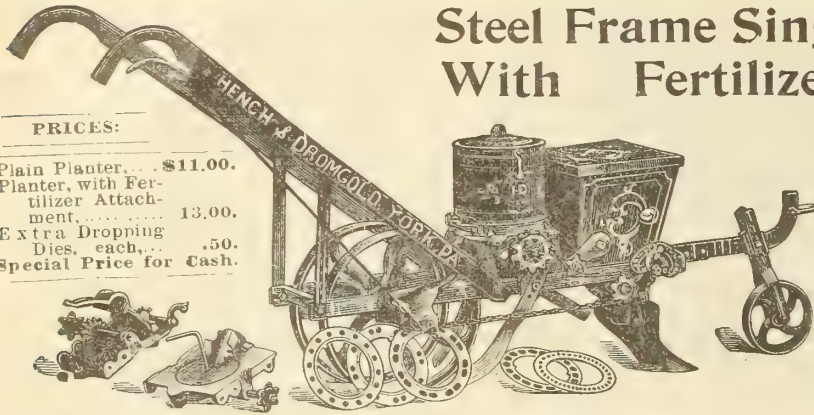


FIG. 28 B.

apart. The seven-point drops one grain 15 inches, or two grains 30 inches apart. The eight-point wheel drops one grain 17 inches or two grains 34 inches apart. The nine-point wheel drops one grain 19 inches, or two grains 38 inches apart. We can also furnish rings for planting Peas, Beans, Ensilage, Corn or any kind of seeds, and by using the different chain wheels can plant any desired amount.

**Made In Three Styles.**—First, as shown in cut with double wheel in rear, Fig. 28 B; secondly, with concave wheel in rear, Fig. 27; thirdly, with concave wheel in rear and runner in front, Fig. 28. All can be furnished with or without fertilizer attachment.

The Corn-Dropping arrangement is very simple and positive in action.

The Fertilizer Sower has an agitator which prevents the fertilizer from arching in the box, and will sow regularly any quantity from 100 to 400 lbs. per acre.

Four Rings or Dropping Dies are furnished with each Planter; two with small, and two with large holes dropping one grain at a place and equal distance apart, and two with large and two with small holes for dropping two grains in a bill.

Three Chain Wheels are furnished with plain Planter, and four with fertilizer. The six-point chain wheel drops one grain 13 inches or two grains 26 inches apart. The eight-point wheel drops one grain 17 inches or two grains 34 inches apart.

#### **Single Row Planter With Shoe.**

PRICES SAME AS FIG. 28 B.

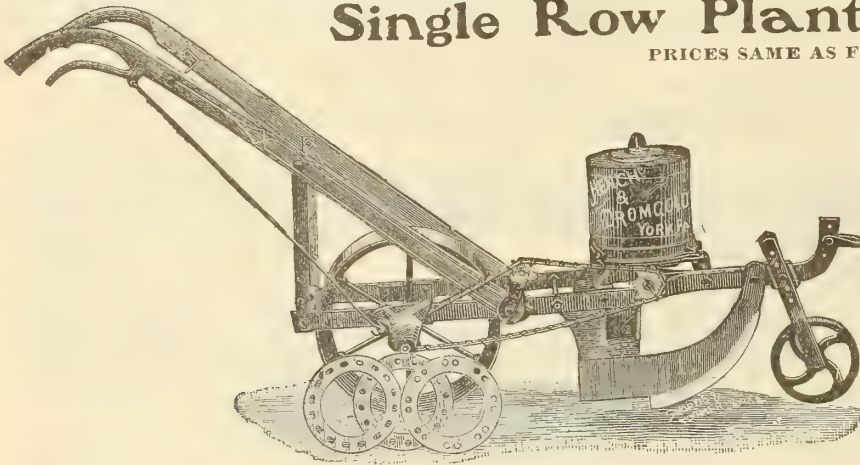


FIG. 28.

The annexed cut illustrates our Single Row Corn Planter with shoe for opening furrow in soft, mellow soil. This is preferred by many over the other styles. We furnish this Planter when ordered at the same price, either with single concave wheel or with double wheels, as shown in Fig. 28 B. In ordering the Planters, please state the figure as well as name, and whether wanted with double concave wheel.

In all of these Planters the top part of corn-box is made of heavy sheet-iron, riveted to a cast ring which is hinged to the bottom, and by loosening one thumb-nut, can be turned to the side and the rings changed, and the bottom cleaned out nicely.

On all machines where fertilizer attachments are used the fertilizer box sets lower on the frame, has less number of pieces, less complicated and the most positive force feed of any Planter on the market; insures uniform distribution, whether dry or damp. Will sow from 20 pounds to 450 pounds per acre, and if a larger quantity is wanted, use the five-point chain wheel and it will sow 525 pounds per acre.

**NOTE.**—If the rows are marked out closer than three feet six inches, it will sow more per acre

## **SINGLE ROW PLANTER**

**T**HE CUT represents our Single Row Corn Planter with corn-box in front and is sold largely in some sections. But is mostly used with corn-box in the rear.

It has the same dropping device and fertilizer feed as our other Planter. We furnish them with double or concave wheel. In some sections the concave wheel is preferable for rolling or pressing the ground down on the corn.

All the Planters we make have the spring trip cut-off in the corn hopper instead of the brush. This is preferable to the brush, as it does not break any corn, and is more durable. We, however, can furnish the brush block with any of the Planters if so ordered.

#### **Showing Corn-Box in the Front With Fertilizer Attachment.**

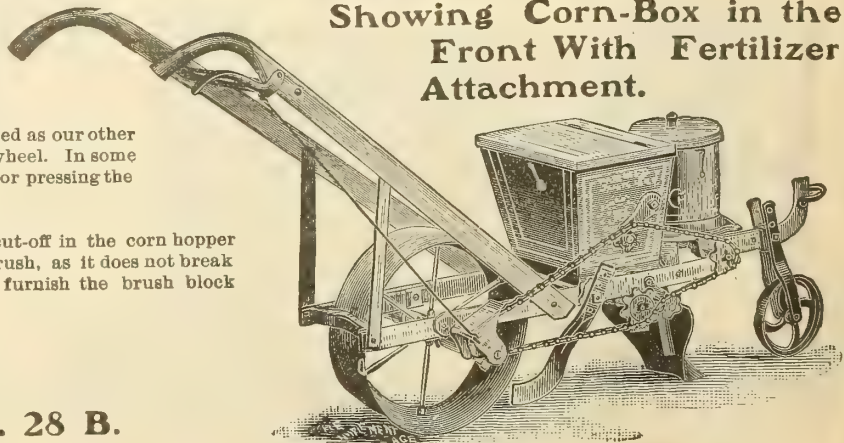


FIG. 27

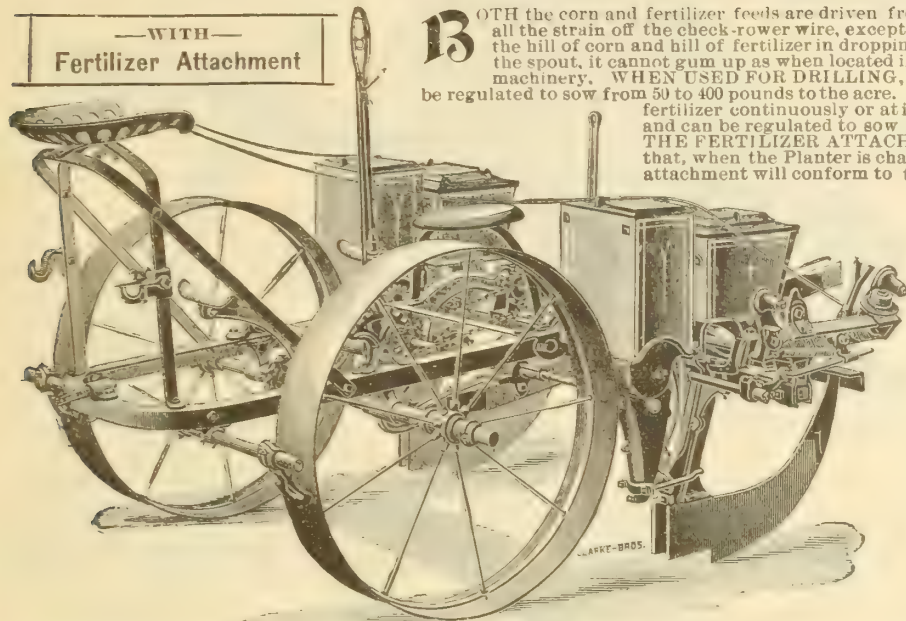
Same Price as Fig. 28 B.

# GRIFFITH & TURNER CO.

## THE EVANS

### Steel Frame Combined Drill and Check-Rower Corn Planter.

—WITH—  
Fertilizer Attachment



**B**OTH the corn and fertilizer feeds are driven from the back axle of the machine, thus taking all the strain off the check-rower wire, except that the wire operates the valves and deposits the hill of corn and hill of fertilizer in dropping. The fertilizer feed being located inside of the spout, it cannot gum up as when located in the hopper, as is usually the case in fertilizer machinery. WHEN USED FOR DRILLING, it will sow the fertilizer continuously, and can be regulated to sow from 50 to 400 pounds to the acre. WHEN USED FOR HILLING, it will sow the fertilizer continuously or at intervals with the corn in the hills, as desired, and can be regulated to sow from 50 to 400 pounds to the acre in hilling. THE FERTILIZER ATTACHMENT is made automatically adjustable, so that, when the Planter is changed from one width to another, the fertilizer attachment will conform to the width of the Planter, thus avoiding the

annoyance of making any changes. THE WHOLE COMBINATION works almost as easily and with as much precision as clock-work. THE MACHINE IS NO EXPERIMENT.

USING THE MACHINE AS A DRILL. It can be changed to drop 10, 12, 14 or 16 inches apart by changing the chain to the different sprocket wheels on the shaft. IT WILL PLANT IN HILLS from two to six grains by changing the chain to different sprockets, dropping from 2 to 3, 3 to 4, 4 to 5 or 5 to 6 grains in a hill as desired.

MARKER SHIFTED WITHOUT GETTING OFF THE PLANTER. We have an eye on the hammer-strap bolt to which the marker rope is attached, and the marker can be placed on either side of the Planter without the driver leaving the seat.

NO JAR ON THE HORSES' NECKS. We use a coil spring pressure connection to the Planter tongue, which relieves the horses' necks of the weight and removes the force of the jar occasioned by rough, uneven ground. It makes the Planter flexible and allows the runners to go down into uneven places and dead furrows, thus making the Planter cover more perfectly.

NOVEL CONNECTION TO COUPLE FRONT TO BACK. The arms connecting to the boxes on the planter-beam are slotted so that the Planter has a perfect floating motion, and is adapted to all conditions of the ground. This feature is found on no other combination Planter. THE MACHINE IS ADJUSTABLE IN WIDTH, being so arranged that it will plant 3 ft., 3 ft. 2 in., 3 ft. 4 in., 3 ft. 6 in., 3 ft. 8 in., or 3 ft. 10 in. apart for the Eastern trade. For Western trade, 3 ft. 6 in., 3 ft. 8 in., 3 ft. 10 in. The arrangement for changing it is very simple, as it is accomplished by simply loosening a few bolts. Wheels will run on or off the rows as desired.

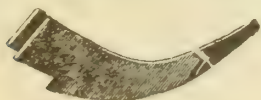
Plain Planter.....\$30.00

Planter with Fertilizer Attachment.....\$40.00

Check-Rowers with 80 Rods of Wire.....\$10.00

SPECIAL PRICES FOR CASH.

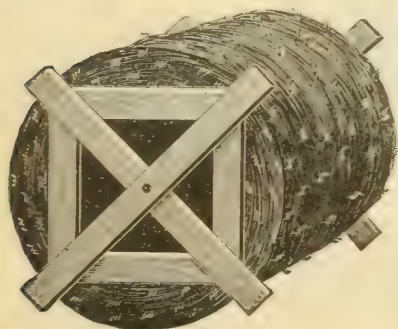
### Corn Planter Runner.



We are Headquarters for Corn Planter Runners made to fit the following-named styles: Evans, Farmer's Friend, Hamilton, Barlow, Richmond Champion, Hench & Dromgold, Keystone, Jr., C. S., Black Hawk and Challenge. In ordering Planter Runners always state, as near as possible, the year Planter was made; whether steel or wood frame; or, better still, a diagram showing position of hole and style of bend.

Price, per pair.....\$3.50

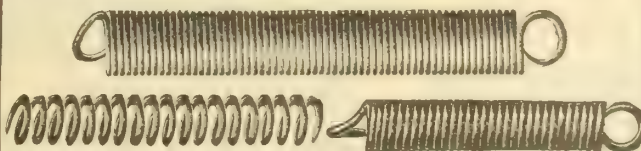
### Check-Rower Wire.



In Coils, 10 20, 40 or 80 Rods.  
Price per Rod ..... \$0.06  
In ordering, state if 3 or 4 check is wanted.



### CHECK-ROWER SPRINGS.



Check-Rower Springs and Buttons to fit most of the leading Planters, but do not carry in stock any extras except those for the Evans.

### THE GORDON

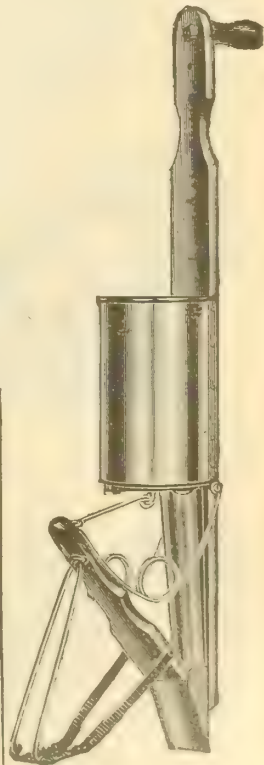
### Automatic Hand Corn Planter.

ITS ROTARY SLIDE has a motion TWO ways—back and forth. It prevents skips. No matter how short the stroke, the pocket is pushed into the corn and back into the conveyor tube. This motion is positive. It breaks up all bridging, and fills the pocket uniformly—it counts the kernels for each drop.

THE IRON STRIPPER will not wear out or break. It prevents an over-dose of corn, and will not crack a kernel. The entire dropping device is made of iron, held together by 3 bolts. All parts are easily accessible and readily adjusted.

THE HOPPER IS IN LINE WITH THE CENTRE: there is a double-coil spring on each side, and the Planter hangs well in the hand. The material is all the best. The Planter is finished with a selected hardwood frame, finished bright, a brilliantly-painted hopper, and all parts varnished.

Price.....\$1.50



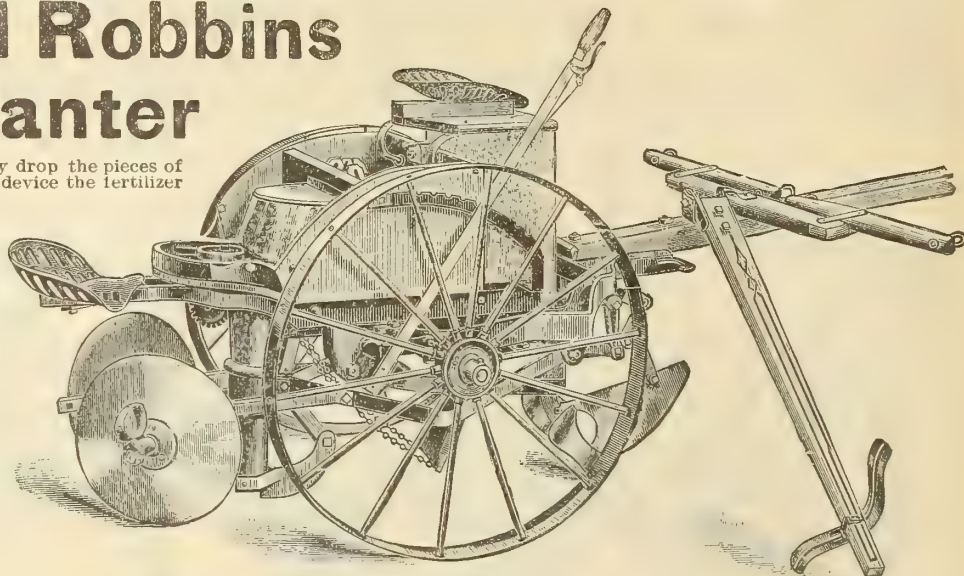
## Improved Robbins Potato Planter

IT will successfully and regularly drop the pieces of potato regardless of size. By a simple device the fertilizer is divided and prevented from coming in direct contact with the potatoes. The seed is covered lightly by means of a pair of discs. The speed of the dropper is regulated by a simple change of sprocket wheels, those sent with Planter dropping a distance of 12, 14, 15½, 17, 18½ or 20 inches. The capacity of fertilizer distributor is up to a ton per acre, depending on condition of fertilizer; by a simple adjustment of gate or change of sprocket wheel the amount sown is quickly and easily regulated.

**THE PLOW.**—This season, for the first, we offer our Improved Robbins Potato Planter fitted either with an Opening Plow preceded by a Shield, as heretofore, or one preceded by a Rolling Coulter or Straight Disc.

In some sections the Shield is preferable, while in others the Disc becomes a necessity for the satisfactory operation of the Planter.

**Special Discount for Cash.**



**PRICES** { The No. 1 Planter, with Fertilizer Distributor, \$65.00  
Leveler Attachment, 85c.  
Pea Sower Attachment, \$5.00.

## Evans Potato Planter, No. 55.

This Machine Will Plant from Seven to Ten Acres Per Day.

IT is a force feed, and is positive in its action, and its operation is controlled by the machine instead of by the size of the seed potatoes. TO CHANGE THE DISTANCES APART IN DROPPING.—The machine will drop the potatoes in drills 10, 12, 14, 16, 18, 20, 28 or 36 inches apart. The change for different distances apart is accomplished by putting on more or fewer picker arms.

**VIBRATING FEED HOPPER BOTTOM.**—The bottom of the hopper is constructed with two feeding channels, which vibrate from the top of the hopper down to the bottom of the concaves, thus assuring an even and steady flow of potatoes.

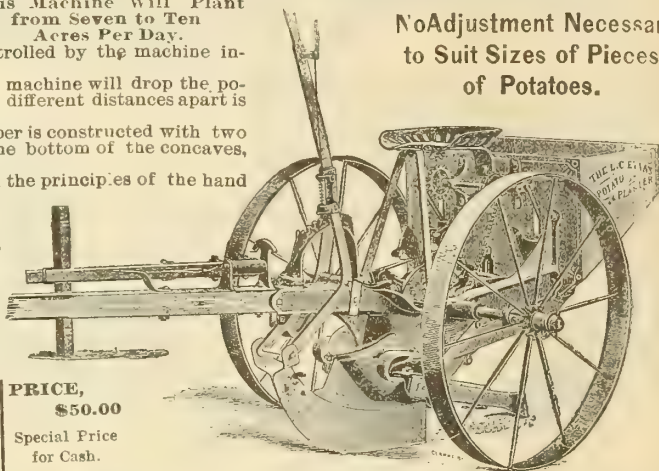
**A NOVEL MARKER.**—It is positive in operation, is constructed on the principles of the hand lever, has a spring catch which holds it in an upright position when turning around, is readily operated by the hand catch, and cannot fall when turning on hilly ground. The marker is arranged with a sliding marker head, so that the machine will plant the rows any distance apart desired.

**WIDTH OF THE MACHINE.**—The machine is 36 inches wide from the centre of one drive wheel to the centre of the other.

**Disc Covers Furnished When Desired.**

**FERTILIZER ATTACHMENT.**—This machine can be furnished with a Fertilizer Attachment when desired. It is made on the same principle as those on the Evans Corn Planters.

No Adjustment Necessary to Suit Sizes of Pieces of Potatoes.



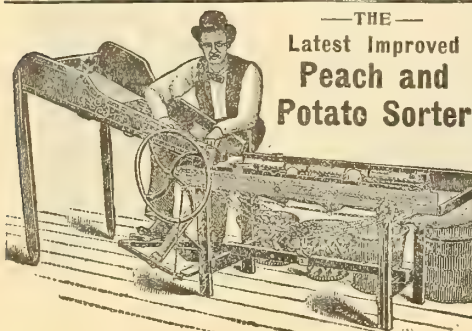
**PRICE,**  
\$50.00  
Special Price for Cash.

## Prairie City Potato Cutter.

The Prairie City Potato Cutter will cut potatoes for seed faster than seven or eight men can by hand.



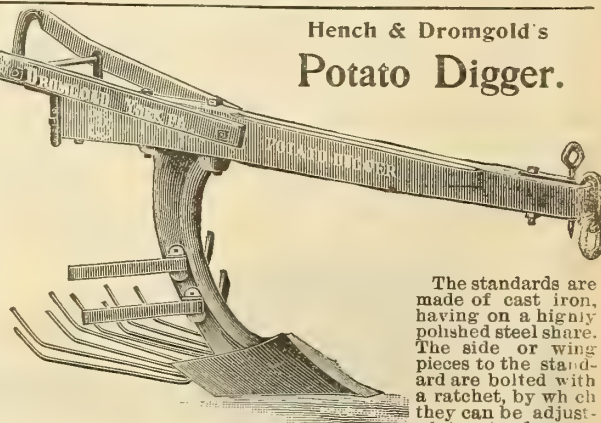
use a wooden mallet. Be careful not to press or strike harder than sufficient to drive the potato down—a little experience will determine the force required. Price, \$2.00.



—THE—  
Latest Improved  
Peach and  
Potato Sorter

The most delicate, ripe and softest peaches, apricots, plums, etc., can be graded in the machine without the least injury; it can be adjusted to change the size of the grades required. Fruits sell better by being properly sorted. It is the only machine that will sort both peaches and potatoes; it runs as light as a sewing machine with foot treadle; it is easily operated. Weight, 200 pounds. Shireman's patent.

**RETAIL PRICE.**  
No. 1—Capacity 2,000 bushels per day,  
\$25.00



Hench & Dromgold's  
Potato Digger.

The standards are made of cast iron, having on a highly polished steel share. The side or wing pieces to the standard are bolted with a ratchet, by which they can be adjusted to stand up or down as desired. The fingers extending back from the standard are made in a zig-zag form, instead of straight as shown in cut, on account of which they separate the potatoes from the ground better than straight ones. They are made of spring steel, and are very elastic and durable. Price, \$7.00.

**WE ALSO CARRY THE Hitchcock Potato Digger.**  
**REPAIRS**—Extra Steel Point, 60c.; Extra Beam, \$2.00; Cast Head, \$1.00.

Griffith & Turner

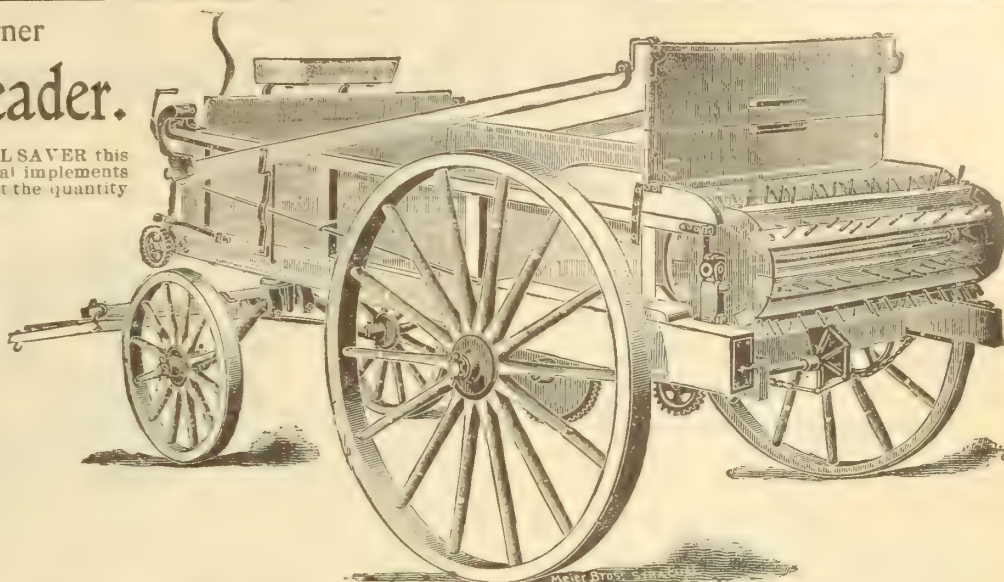
## Manure Spreader.

AS A LABOR AND MATERIAL SAVER this is one of the most economical implements used on a farm. It will spread just the quantity desired and do it evenly, covering every square inch with finely pulverized manure in one-tenth the time required with shovels and forks. Drill attachments can be changed to lime hood by removing the chutes and adding the lime board.

**CHANGE OF FEED.**—By means of a very ingenious device, worked by means of a foot lever, the amount of manure can be changed instantly to a greater or lesser quantity. This is a very desirable improvement, for frequently both poor and rich land are found contiguous; without this arrangement it is impossible to regulate the quantity. It is not found on any other Spreader made.

**SAFETY END BOARD.**—This will not admit of clogging. The Distributor cannot be thrown in gear until the Safety Board is raised. This operation is controlled from the driver's seat, and prevents waste of material.

**THE REAR AXLE.**—This is of the utmost importance. In other Spreaders the main axle is made of shafting 1 15-16 inches diameter. In this is used a 2 1-16 inch axle of the best cold drawn steel. This rear axle must sustain its share of the load, besides driving the mechanism of the Beater device, hence it must be practically unbreakable.



### PRICES.

Size A, capacity 30 bushels.....	\$100.00
Size B, capacity 40 bushels.....	105.00
Size C, capacity 50 bushels.....	110.00
Drill Attachment for leaving manure in rows, extra.....	8.00
Wind Brake, or Lime Hood, for windy weather, extra.....	5.00
Brake or Lock for hilly sections, extra.....	5.00

Three-Horse Evener, extra.....	4.00
Slow feed, for lime, ashes, etc., extra.....	1.50
Lugs, per set of 28, for use in frosty weather.....	2.25

Whiffletrees, Neck Yoke and Two-Horse Evener furnished free

Special Discount from these Prices.

Owing to the peculiar construction of the Beater Device the draft of this machine is rendered much lighter than any other.

## Single Row.

**THIS DISTRIBUTER** has same Fertilizer Feed as used on Hensch & Dromgold Corn Planters except that it is much larger; it has given perfect satisfaction wherever used; is comprised of only five pieces, so arranged as to prevent fertilizer from arching. We also have under the planter a funnel-shaped iron which scatters the fertilizer as desired.

Three chain wheels are furnished with each machine. It will sow or distribute evenly any kind of commercial fertilizer and in any quantity desired, from the smallest to the largest amount required per acre.

THIS CUT REPRESENTS OUR

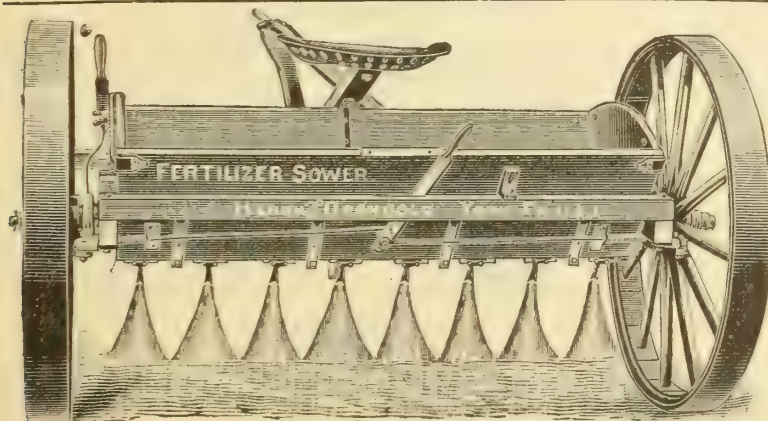
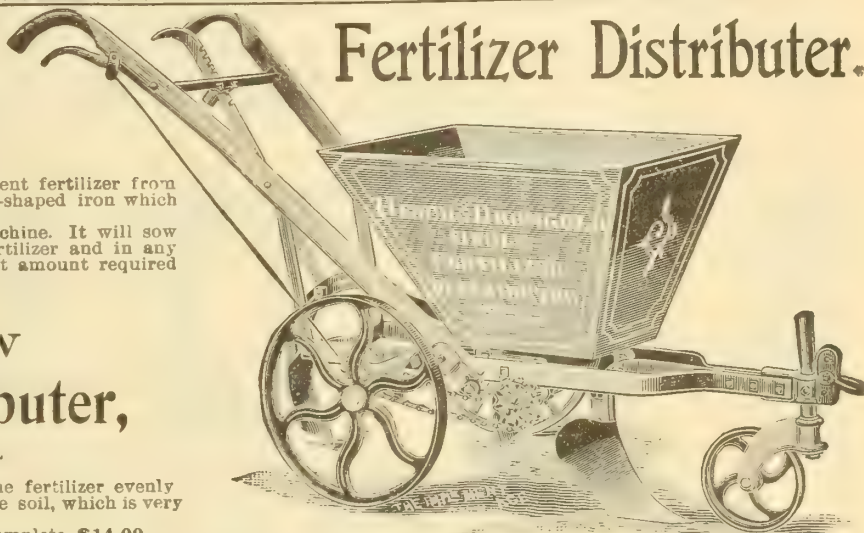
## SINGLE ROW Fertilizer Distributer,

WITH SCORING SHOVEL

to open the row, and at the same time distribute the fertilizer evenly also a rear shovel to mix the fertilizer with the soil, which is very important.

Price, with furrowing out and rear shovels, complete, \$14.00

## Fertilizer Distributer.



## Hensch & Dromgold's Low Down Broadcast Fertilizer, Lime and Ash Distributer.

**THIS Fertilizer Distributer** will sow, evenly, Fertilizer Paris Green, etc. The machine is easily operated. The lever on the rear throws the machine in and out of gear. The lever on the left side changes the feed to a small quantity for sowing, even Paris Green, and will sow as much as 8,000 pounds of fertilizer per acre.

### PRICE.

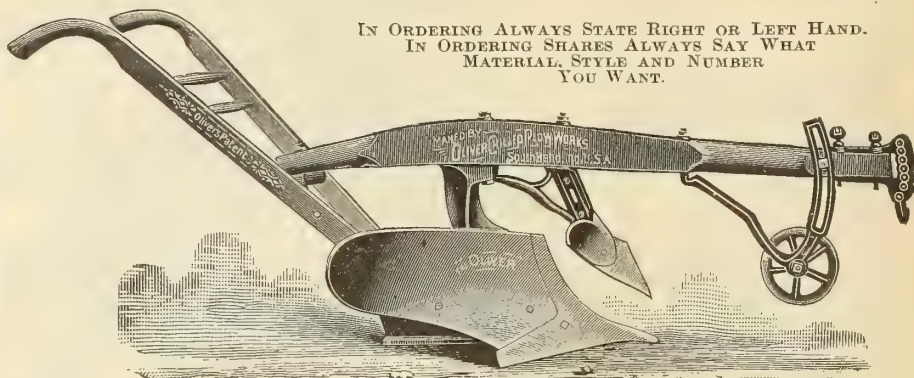
No. 1. Distributer, 3' 6".....	\$30.00
No. 2. Distributer, 4' 8".....	36.00
No. 3. Distributer, 5' 10".....	42.00
No. 4. Distributer, 8' 2".....	48.00

We furnish these Distributers with boots at \$10.00 advance on No. 1; \$13.50 on No. 2; \$16.50 on No. 3.

Those persons who use unsifted lime can order extra screen, which is a little larger than the box. Price, \$2.50.

## Genuine Oliver Chilled Plows and Repairs.

**DON'T** forget to look  
 for the  
**Oliver Trade Mark**  
 on all Oliver Goods. None  
 genuine without it.



IN ORDERING ALWAYS STATE RIGHT OR LEFT HAND.  
 IN ORDERING SHARES ALWAYS SAY WHAT  
 MATERIAL, STYLE AND NUMBER  
 YOU WANT.

### PLOWS—PRICES.

No. A-1 and A-2.....	\$4.50	No. 22, Iron Beam.....	\$11.00
" B.....	6.00	" 40.....	9.50
" B Vineyard, right hand		" E-1.....	9.50
only.....	7.50	" 14-A Steel, Mouldboard	
No. 10-0.....	7.00	and Landside, Cast Share	
" 13.....	8.00	and Shoe, right hand	
" 19.....	8.50	only.....	11.00
" 20.....	9.00	No. 40, XX O. C. Plow.....	10.50

### OLIVER COMBINATION PLOWS.

WOOD BEAM, RIGHT AND LEFT HAND.

No. 120—All Chilled, only.....	\$ 9.50
" 140—All Chilled, only.....	10.00

### OLIVER SPECIAL PLOWS.

No. 1—Road and Grading Plow, all steel, with Standing Coultter  
 and Gauge Iron or Wheel..... \$30.00  
 The Oliver Sub-soiler, best of its kind, with Wheel..... 14.00

### OLIVER HILLSIDE PLOWS.

They are made in two sizes—the smallest, No. 52, for one horse, and  
 the largest, No. 53, for two horses. It is made with steel mouldboard  
 and cast point, and is well equipped in all respects for first-class work.  
 In addition to its excellent qualities as a hillside plow, it also works  
 admirably in level ground, and having been thoroughly tried we do not  
 hesitate to recommend it highly.

No. 52, Steel Mouldboard, Cast Share.....	\$10.00
No. 53, Steel Mouldboard, Cast Share.....	11.00
No. 58, Chilled Mouldboard, Cast Share.....	9.00

NOTE—A Clevis, Wrench and an extra share are included in above  
 prices for plows fitted with cast shares, but wheels and jointers are not

## OLIVER REPAIRS.

### MOULDBOARDS.

No. A-1 and A-2.....	\$1.25	No. E.....	\$3.00
" B and B. Vineyard.....	1.75	" 14 A, Steel.....	3.00
" 10-0.....	2.00	" 98.....	2.75
" 13 and 13 Vineyard.....	2.25	" 99.....	3.00
" 19.....	2.50	" 119.....	2.50
" 20.....	2.75	" 120.....	2.75
" 22.....	3.00	" 140.....	3.00
" 40.....	3.00		

### STANDARDS.

No. A.....	\$1.25	No. 20.....	\$2.25
" B.....	1.50	" 40.....	2.50
" B. Vineyard.....	2.00	" E.....	2.50
" 10-0.....	2.00	" 119.....	2.50
" 13.....	2.25	" 120.....	2.50
" 19.....	2.25	" 140.....	2.75

### SHARES.

Numbers.	Cutter Shares.	Plain Shares.	Cutter Slip-Nose Shares.	Plain Slip-Nose Shares.	Reversible Shares.	Cast Reversible Slip.
A	25c.	15c.		25c.		10c.
B	25c.	18c.		25c.		10c.
B. Vin.		18c.				10c.
10-0	20c.		30c.			10c.
13	20c.		30c.			10c.
19	25c.		35c.			10c.
20	25c.		35c.			10c.
22	40c.	35c.		40c.		10c.
30	30c.	25c.				10c.
40	25c.		40c.			10c.
E	25c.		40c.			10c.
14-A	30c.	25c.		35c.		10c.
98	50c.				25c.	15c.
99	50c.				25c.	15c.
119					30c.	20c.
120					30c.	20c.
140					30c.	20c.

All Polished Points, each, add extra 10 cents  
 Non-Reversible Shares and Slips same as Reversible.  
 Bowers' Slips same as other slips.

### LANDSIDES.

No. A.....	\$ .35	No. E.....	\$ .60
" B and B. Vineyard.....	.45	" 14-A, Cast.....	.40
" 10-0.....	.50	" 14-A, Steel.....	1.00
" 13 and 13 Vineyard.....	.55	" 98.....	.60
" 19.....	.60	" 99.....	.60
" 20.....	.60	" 119.....	.60
" 22.....	.75	" 120.....	.60
" 30.....	.60	" 140.....	.60
" 40.....	.60		

### HANDLE BRACES.

No. A.....	25 cents.
" B-10-13-13 Vineyard, B Vineyard.....	30 "
All other Handle Braces.....	50 "

### HANDLES.

COMPLETE.—PER SET.

No. A-B-10-0.....	\$1.25	No. B Vineyard.....	\$2.00
" 22, complete, less rod.....	1.25	" 98-99-119-120 and 140.....	1.85
" 14-A and rod.....	1.50	" 113.....	1.60
" 13.....	1.50	" 19-20-E and 40.....	1.75

### HANDLES.

PER PAIR AND SINGLE.

All numbers, per pair, loose.....	\$1.00
" " single, each.....	.50
Rounds, per pair.....	.10
L. S. Handle Plates.....	.16

### CLEVISSES.

Clevises Marked "A," for One-Horse Plows.....	\$ .20
" Marked "B," for Two-Horse Plows.....	.30
" Marked "D," for Three-Horse Plows.....	.50
" Shackles, Twisted.....	.10
" Wrenches.....	.05
" Guide Pins.....	.03
" Shackles Pins.....	.03
" Links, Two-Horse.....	.05
" Rings, One-Horse.....	.05

### BEAMS.

No. A-B-B Vineyard and 10.....	\$1.00
All other numbers, Wood.....	1.25
No. 22, Iron.....	4.25

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

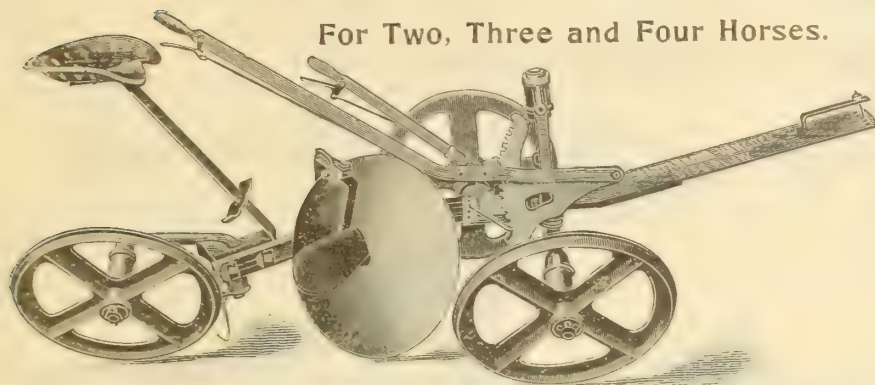




## **Chattanooga-Hancock.**

### **THE LATEST IMPROVED DISC PLOW.**

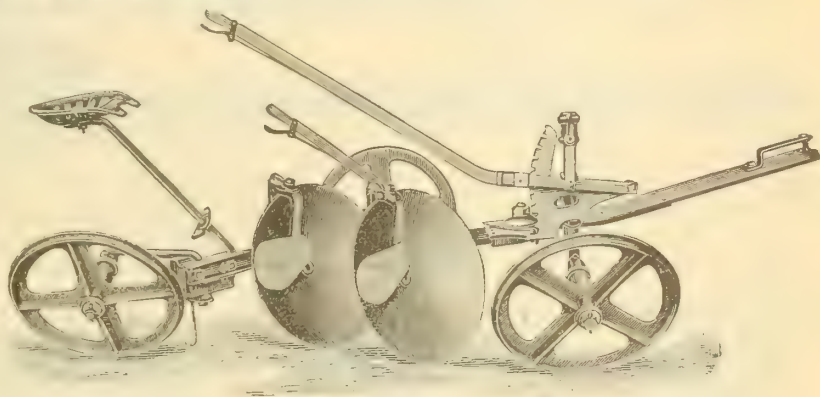
For Two, Three and Four Horses.



Heretofore Disc Plows have only been successful in either very hard or sticky land. They have lacked essential features to make them popular or valuable to the average farmer. Improvements have been added to the Hancock Disc Plow, and we now offer it on its merits.

They are made on the same frame and act on the same principle, and what is said about the Single Disc pertains to others. It is only a matter of number of horses. If 100 lbs. be added to the draft of the Single it will cover the Double, and 100 lbs. more would cover the Triple. It will be seen the difference in draft is comparatively slight.

We guarantee our Disc Plow to do good work, not only in hard, dry and sticky ground, but to do good work in any fallow ground, either clean or trashy; in short, to be good anywhere, at any time, and when plowing can be done.



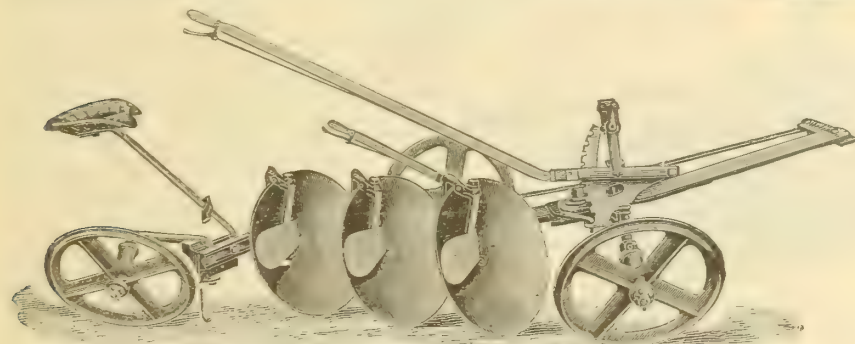
It handles more cubic inches of soil with less draft than any other Plow made; it turns under stalks, trash and weeds completely; it breaks up "hard pan" and pulverizes the soil.

It leaves the ground at bottom of furrow porous and natural; it prepares the soil to withstand either a wet or dry season; it insures better crops than any other method of plowing.

It is so simple in design, so few in parts, and so perfect in construction that anyone can operate it.

It is not a sod plow; it is a pulverizer. You cannot pulverize sod. Everywhere else it is all right.

The first cut shows the **SINGLE DISC**; the second, the **DOUBLE DISC**, and the third the **TRIPLE DISC**.



We guarantee against breakage for twelve months caused by defects in material or workmanship. We found it impossible to fill the demand last Autumn, and have taken a number of orders for Spring delivery. Customers desiring these Plows will do well to place their orders as far in advance as possible.

Full directions come with each Plow, so simple that any farmer with ordinary intelligence need have no trouble.

Single Disc, with Double and Triple Trees **\$40 00**  
 Double Disc, Double and Triple Trees .... **56 50**  
 Triple Disc, with Double and Triple Trees **70 00**

If four horse eveners are wanted, instead of three horse eveners, price will be extra, **\$1 50**.

### **TESTIMONIALS**

Glenburnie, Md.

NOVEMBER 6TH, 1901.

Griffith & Turner Co.,

To-day I ordered from your agent a Chattanooga-Hancock Disc Plow, upon condition that it plow wire grass land. I gave it a trial and found I could do good work with two mules, where I could not plow with four mules with an ordinary share Plow. I think it is impossible to get a better Plow for plowing wire grass, and am so well pleased that I will pay cash without further trial.

C. B. WARFIELD.

Gentlemen:—I have seen several different kinds of Disc Plows work, and consider the Chattanooga-Hancock which I purchased from you far superior to any of them. I have been using this one for over a year, and I am more than pleased with it, and will be glad to answer any inquiries with regard to it.

JAS. D. HUGHES,

Elliott and Robinson Sts.,

11-8, '01.

Baltimore, Md.

Brooklyn, A. A. Co., Md.

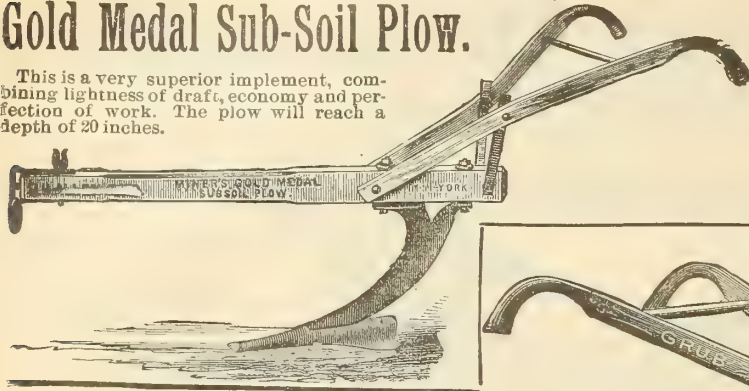
NOVEMBER 14TH, 1901.

The Disc Plow I have purchased from you is giving me entire satisfaction. Am much pleased with the same so far.

FRANKLIN MEWSHAW.

## Gold Medal Sub-Soil Plow.

This is a very superior implement, combining lightness of draft, economy and perfection of work. The plow will reach a depth of 20 inches.



### PRICE.

1 Horse, with cast point, plain.....	\$5.00
1 Horse, with cast point, with wheel.....	6.00
1 Horse Cast Share.....	.50
2 Horse, with cast point, plain.....	7.50
2 Horse, with cast point, with wheel....	8.50
2 Horse Cast Share.....	.90

## Old Dominion Grub Plow.

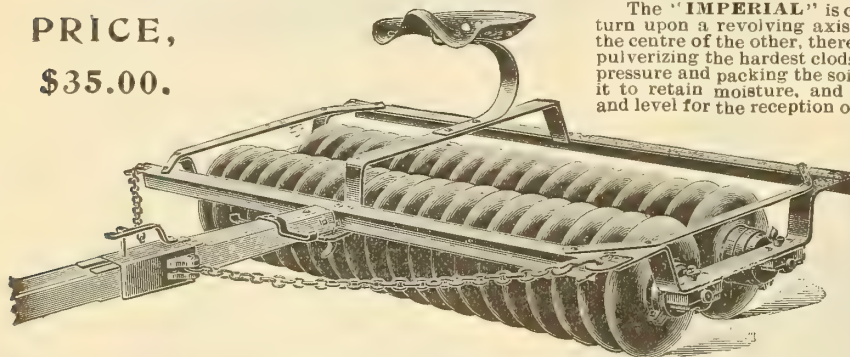
Two Horse,  
\$6.00.

With this Plow the "toughest" piece of rooty ground in America can be brought into subjection. It is peculiarly adapted to newly cleared ground that is encumbered with growth of hazel or other bushes. All wearing parts are of the best steel, and it is so strongly built that it will withstand the hardest usage. It is the favorite Plow of its class. It is built in RIGHT HAND ONLY, and cuts about 7 inches. If you ever have a demand for a new ground Plow, you should try this one. It will please the "toughest" customer.



## Imperial Pulverizer, Clod Crusher, Roller and Leveler.

PRICE,  
\$35.00.



The "IMPERIAL" is composed of two sets of hollow disc rollers which turn upon a revolving axis, one set being placed directly behind and just in the centre of the other, thereby covering every inch of ground, and effectually pulverizing the hardest clods, and at the same time subjecting the ground to a pressure and packing the soil a couple of inches below the surface, enabling it to retain moisture, and at the same time leaving the surface loose, mellow and level for the reception of the seed, making the most perfect seed-bed ever yet obtained.

There have been many attempts made to produce a tool that would accomplish this, but they have all failed in certain respects.

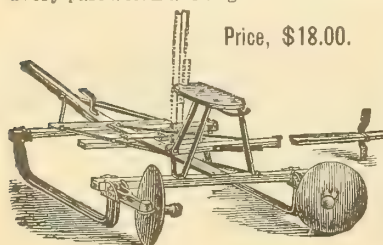
Most Pulverizers tear up the soil and leave it too loose to retain the moisture, or to allow the roots to obtain a firm hold, while others, in their attempt to pack the soil, will press clods beneath the surface, thereby leaving it in a very undesirable condition for the reception of the seed, as every farmer will readily admit; and, if a harrow is put over the field again, all the clods come to the surface and the field is as rough as ever. The "IMPERIAL" thoroughly pulverizes the hardest clods, while at the same time it presses the soil sufficiently to retain the moisture and form

a firm bed for the roots of the grain, etc. To obtain the best results the "IMPERIAL" should be used before and after sowing, and can be used on corn right after coming up with a very good effect.

## DARNELL'S IMPROVED PATENT FURROWER AND MARKER.

Strong, light and durable. A half-dozen tools in one and each worth the purchase price.

Runs steadily and cannot be choked. Adjustable throughout. Gauge self-adjusting to all inequalities of ground. Every part well made of good material, and no end to its wear and usefulness.



Price, \$18.00.

Broad runners of wrought T angle iron with rib to prevent sliding on side hill. Revolving discs or Furrowers, fifteen inches in diameter, with chilled hub and steel axle, cutting a clean, straight furrow. Shipping weight, 140 pounds.

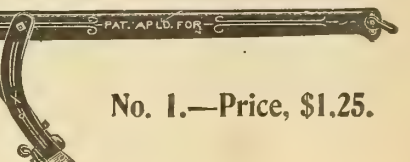
## STEEL BEAM GEORGIA STOCK, No. 1.

EXTRA HEAVY  
Steel Beam  
Georgia  
Stock,

No. 3.

With adjustable land-slide and rudder. This Plow Stock has an extra long and very strong beam and heavy foot. The construction of this steel beam makes this the best and strongest Plow Stock on the market. Price, \$1.50

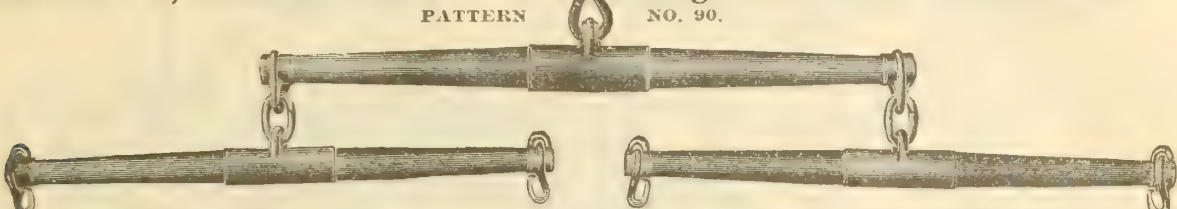
For the purpose of attaching shovel blades or steels of any kind used on Shovel Plows. The beam is made of a plate of steel, formed in the shape of a U bar, the front end being arranged with an adjustable clevis, dispensing with the need of a lap ring. The rear part of the beam forms a steel box for the Plow handles, thus making it impossible to split the handles. Regular Georgia Stock Handles will fit these Plow Stocks. Price, \$1.25.



No. 1.—Price, \$1.25.

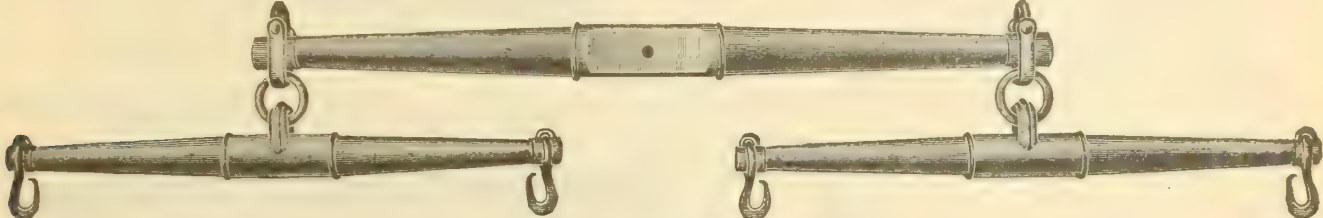
# **GRIFFITH & TURNER CO**

**The Everlasting Tubular Steel Doubletrees.**  
**PLOW DOUBLETREES IN SETS COMPLETE, Made in Three Sizes.** Singletrees Equipped with Hooks or Rings for Trace Attachment.

	PATTERN	NO. 90.	
			
No 0.	For Light Plowing in Moss Soil.	Length, 33 inches and 28 inches.	Price perset.....\$2.50.
" 1.	For Regular Plowing in Clay Soil.	" 36 " and 30 "	" " ..... 3.00.
" 2.	For Extra Heavy Plowing, Street Making, etc.	" 36 to 38 " and 30 to 32 "	" " ..... 3.50.

**SPECIAL DISCOUNT FOR CASH.**

**STEEL FARM WAGON DOUBLETREES IN SETS COMPLETE. Made In Two Sizes. Equipped With Rings or Hooks for Traces.**  
**PATTERN No. 89.**

			
No. 2.	Capacity, 4,000 pounds.	Evener, 46 to 48 inches.	Singletrees, 33 to 34 inches.
No. 3.	7,000 pounds.	48 to 50 "	34 to 36 "
			Price per set.....\$4.50.
			" " ..... 5.00.

**SPECIAL DISCOUNT FOR CASH.**

**Steel Farm Wagon Neck Yokes, Made In Two Sizes.**  
**PATTERN No. 95.**

		
No. 2.	38 inches.	Price, per each.....\$1.20.
No. 3.	40 inches.	Price, per each..... 1.35.

See Page 103 for Contractors' Doubletrees and Neck Yokes.

**SPECIAL DISCOUNT FOR CASH.**

**Steel Plow Singletree With Welded Ring In Centre.**

**PATTERN No 94.—Five Sizes.**

24 inch Plow Singletrees.....	each, 50c.
26 " " " " " " " " " " " "	" 55c.
28 " " " " " " " " " " " "	" 60c.
30 " " " " " " " " " " " "	" 65c.
32 " " " " " " " " " " " "	" 80c.

**Wood Single, Double and Triple Trees.**

	
26 inch Southern Single Trees.....	25c.
28 inch Extra Nailed Singletrees.....	40c.
30 inch Heavy Singletrees.....	50c.
32 inch Heavy Singletrees.....	60c.
34 inch Heavy Singletrees.....	60c.
36 inch Heavy Singletrees.....	75c.
36 inch Heavy Double Trees.....	1.00.
40 inch Heavy Double Trees.....	1.10.
Extra Heavy Triple Trees.....	\$2.00.
	

36 inch  
Southern  
Double  
trees \$ .75.

**Clips for Singletrees.**

Set. Doz Sets.

No. 26—One Centre 1/4 in. Clip, welded, and two 3/8 inch End Clips, welded with 5-16 inch hooks as used on our 28 inch Singletrees.....

\$ .15 \$1.25

No. 30.—One Centre 9-16 inch Clip, welded, and two 7-16 inch End Clips welded with 3-8 inch hooks as used on our 30 and 32 inch Heavy Singletrees.....

.20 2.00

No. 34.—One Centre 5/8 inch Clip, welded, and two 7-16 inch End Clips, welded, with 1/2 inch hooks as used on our 34 and 36 inch Heavy Singletrees.....

.25 2.25

**Clips for Doubletrees.**

Set. Doz Sets

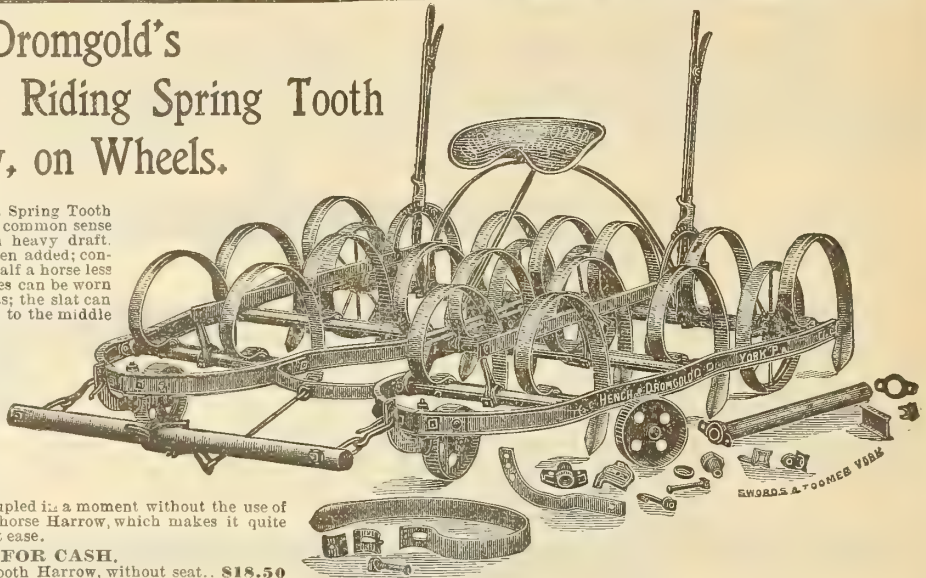
No. 34.—Southern, one 5/8 inch Centre Clip and Hook, welded, with 1/4 inch hook and two 1/2 inch End Clips, welded, as used on our 36 inch Southern Doubletrees..... \$ .25 \$3.50  
 No. 36 and 40—Pennsylvania, one 3/4 inch Centre Clip and Hook, welded, with 3/4 inch hook and two 9-16 inch End Clips, welded, as used on our 36 and 40 inch Heavy Pennsylvania Doubletrees..... .33 3.50

**Wood Neck Yokes.**

	
No. 6.	
	
<b>Ironed Complete</b>	
<b>PRICE, 75 CENTS.</b>	

## Hench & Dromgold's Improved Walking or Riding Spring Tooth Lever Harrow, on Wheels.

It is an established fact that land prepared by a Spring Tooth Harrow for wheat is the most acceptable and common sense method, but the complaint of some has been heavy draft. Now, to meet that objection, a set of wheels has been added; consequently the draft has been lessened almost one-half a horse less than on the float spring tooth Harrow; fifteen inches can be worn off the teeth by the use of the lever and the ratchets; the slot can be removed in a second; the lever can be attached to the middle rollers, if so desired, when used altogether for riding, and the wheels, when the teeth are set to the desired depth, prevent its going deeper than required by the operator, and consequently it cuts the same depth in case hard or soft ground is encountered alternately. The front wheels are pivoted and the eveners are attached to the pivoted wheels, so that the Harrow will draw at ease after the horses, causing it to draw straight, each tooth cutting its own course or way. It is also admirably adapted to putting corn land in condition for seeding wheat, as the depth is easily and immediately regulated by the lever. It is pivoted in the centre and can be uncoupled in a moment without the use of bolts or split keys, and can then be used as a one-horse Harrow, which makes it quite convenient, either half being adjusted with perfect ease.

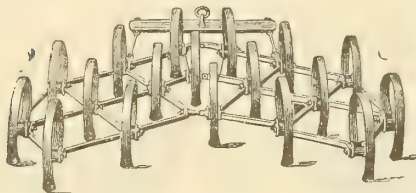


### SPECIAL DISCOUNT FOR CASH.

15-Tooth Harrow, without seat..	\$16.50	19-Tooth Harrow, without seat..	\$18.50
17-Tooth Harrow, without seat..	17.50	21-Tooth Harrow, without seat..	19.50

(If seat is wanted price will be 75 cents extra.)

## HENCH & DROMGOLD'S All Steel Frame Spring Tooth Harrow. ... ..



In the Ratchet Tooth Holder, as shown in the cut, the tooth is securely clamped between two malleable ratchet clips, which engage with the ratchet frame clip, and is held firmly and securely by one bolt to each tooth, on which it rotates as on a pivot. By this arrangement, if the teeth are worn off or cut off as much as fifteen inches, they can be set to run as deep as when new. It is so hinged that either side can be raised straight up or at right angles, for passing stumps or trees.

### SPECIAL DISCOUNT FOR CASH.

14-Tooth Harrow .....	\$12.50
16-Tooth Harrow .....	12.50
18-Tooth Harrow .....	13.50
20-Tooth Harrow .....	14.50
22-Tooth Harrow .....	15.50

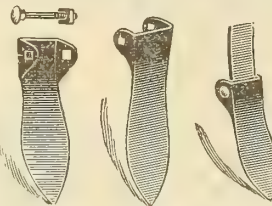
## SPIKE HARROW TEETH.



Per pound..... 5c.

## WHIPPLE'S Supplementary Adjustable Harrow Tooth Points ...

OLD HARROWS MADE AS GOOD AS NEW AT SMALL EXPENSE.

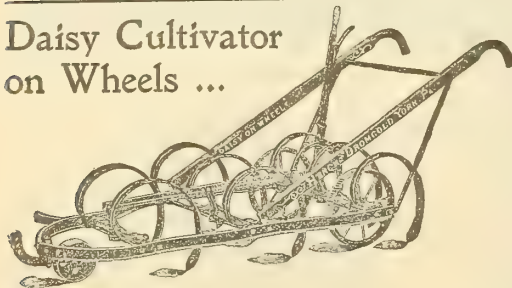


THESE Points are made of a high grade of steel and will outwear the original Points. The ears extend back, and the Point being made of spring metal, allows the ears to be drawn together, clamping the shank firmly, and if the old teeth are out of line, the Points being adjustable, can be lined up, so that every tooth will rest on the ground.

These Points will fit any of the old Spring Teeth on the market.

Price, Point..... 10c. each.

## Daisy Cultivator on Wheels ...



THIS style of Cultivator is precisely the same as either half of the regular Spring Tooth Wheel Harrow, with the addition of handles. It is an admirable implement for use with one horse in working crops in rows. We can furnish anyone having the regular Harrow a set of handles and braces, and they can be attached to either half. The front wheel is pivoted, and will draw with ease after the horse, causing it to draw straight. The wheels guide it and cause it to run steady, and each tooth will cut its own way. For turning at the ends the teeth can be raised by the use of the lever, and is very easy to operate. The frame is made of "I" Beam steel; the rollers or bars are also of steel, the castings being malleable, and the best steel used in our teeth, make it one of the most durable and complete Cultivators or small Harrows ever offered to the public. We solicit your patronage.

### RETAIL PRICE.

7-Tooth.....	\$8.25	10-Tooth.....	\$ 9.75
8-Tooth.....	8.75	11-Tooth.....	10.25
9-Tooth.....	9.25		

## Spring Harrow Teeth

FOR LEADING  
HARROWS,

Including ... ..

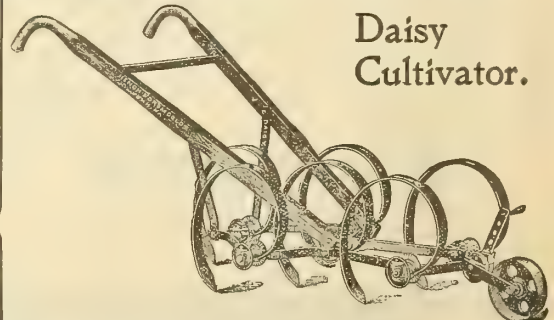
Hench & Dromgold,  
Stevens, Perry,  
Childs, U. T. K.,  
Tiger, Buffalo  
Pitts, etc., etc.



Price..... 30c. each.

When taken in full sets at special price.

## Daisy Cultivator.



THE cut represents the DAISY CULTIVATOR, with handles for use similar to the DAISY ON WHEELS. This Cultivator has the same ratchet holder as will be found on all of this make of Harrows. It is built with 6 or 8 teeth, but can be used with 5, 6, 7 or 8 teeth, as desired. By simply unbolting the two outside teeth of the 6-tooth Cultivator it can be used with 4 teeth, and by taking out the middle tooth on the right-hand side, and setting the rear tooth in the centre, it makes a 5-tooth Cultivator.

### RETAIL PRICE.

Price of 6-Tooth Cultivator, with wheel.....	\$5.00
Price of 8-Tooth Cultivator, with wheel.....	6.00
Price of 10-Tooth Cultivator, with wheel.....	7.25

## **PERRY WOOD FRAME HARROW.** **IRON-CLAD.**

THIS is without doubt one of the best Float Harrows on the market, and our very large sales during the season just passed testify to this fact. It is particularly desirable in cloddy ground, as it combines a clod-crusher and spring tooth Harrow, the frame being iron-plated underneath and in front, so that it crushes the clods at the same time the teeth stir up the ground, and the frame prevents it sinking too deep. Bolt heads fully protected. Teeth cannot get loose. Simplicity itself and very strong.



16-Tooth Harrows..... \$ 8.50 20-Tooth Harrows..... \$10.50  
18-Tooth Harrows..... 9.50 22-Tooth Harrows..... 11.50

**SPECIAL DISCOUNT FOR CASH.**

Wood Frames only, with regular lining, 16-T, \$6.00; 18-T, \$6.25; 20-T, \$6.50; 22-T, \$7.25.

## **STEEL**

**SO ARRANGED THAT THE TEETH CANNOT TRACK.**

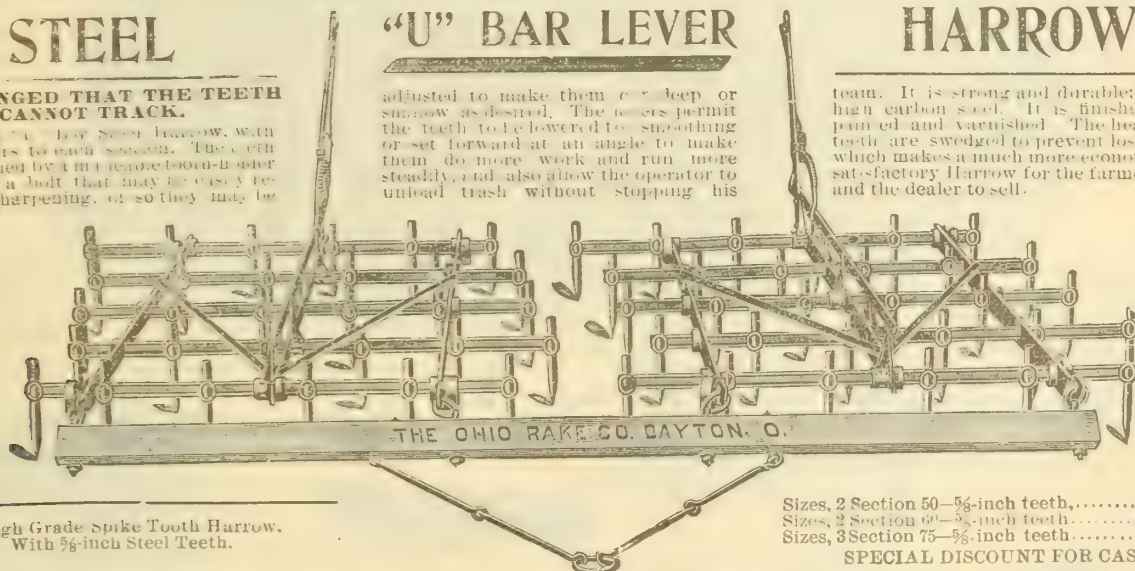
The teeth of the Steel Harrow, with five "U" bars to each section. The teeth are so fastened by a machine tooth-holder secured by a bolt that may be easily removed for sharpening, or so they may be

## **"U" BAR LEVER**

adjusted to make them cut deep or shallow as desired. The levers permit the teeth to be lowered for smoothing or set forward at an angle to make them do more work and run more steadily, and also allow the operator to unload trash without stopping his

## **HARROW.**

team. It is strong and durable; made of high carbon steel. It is finished nicely, painted and varnished. The heads of the teeth are swaged to prevent losing them, which makes a much more economical and satisfactory Harrow for the farmer to own and the dealer to sell.



A High Grade Spike Tooth Harrow.  
With  $\frac{5}{8}$ -inch Steel Teeth.

Sizes, 2 Section 50— $\frac{5}{8}$ -inch teeth..... \$11.00  
Sizes, 2 Section 60— $\frac{5}{8}$ -inch teeth..... 12.00  
Sizes, 3 Section 75— $\frac{5}{8}$ -inch teeth..... 16.50

**SPECIAL DISCOUNT FOR CASH.**

## **Adjustable Tubular Frame Lever Harrow.**

THIS HARROW can be used as a straight-tooth pulverizing Harrow, or a straight-tooth smoothing Harrow. By means of the lever the teeth can be set straight or to any desired slant. The beams are made of iron tubes and the teeth pass through the same and are threaded and held firmly in place by a tap. It stalks and trash accumulate on the teeth when used as a straight-tooth Harrow the teeth can be changed in a moment, by means of a lever, to a standing position, for clearing off the same. As a smoothing Harrow it never clogs, all rubbish being cut in two or passing down and off the ends of the teeth and completely buried. For cultivating young corn in its early stage it is admirably adapted.

Specially adapted to cultivating wheat in the spring.

Price with 50 teeth..... \$11.00

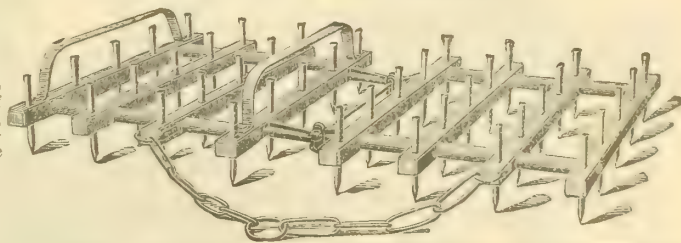
**SPECIAL DISCOUNT FOR CASH.**

## **Baltimore Double Hinge Harrow.**

THIS is a two section, wood frame, spiked-tooth Harrow. It is so coupled that each section has a vibratory motion independent of the other. It is simple and durable. The frame is of hardwood, nicely finished and painted. The runners, as seen in the cut, are intended to be used in carrying the Harrow from one field to another; the value of this feature any good farmer will appreciate.

It cuts 6 feet 6 inches and contains 40 teeth.

Price \$8.00. **SPECIAL DISCOUNT FOR CASH.**



## **GARDENER'S HARROW.**

THIS Harrow is similar to the Baltimore Double Hinge Harrow, only it is made in one section instead of two. It is just the thing for small, hilly farms, or for market gardeners. It is designed to be used by one horse, and is the essence of convenience in handing and getting around in small garden plots, e c. We furnish this Harrow with 30 teeth, which cuts 4 feet 6 inches wide, and with 24 teeth, cutting 3 feet 8 inches wide.

Price with 24 teeth..... \$5.00

With 32 teeth..... 5.50

**SPECIAL DISCOUNT FOR CASH.**

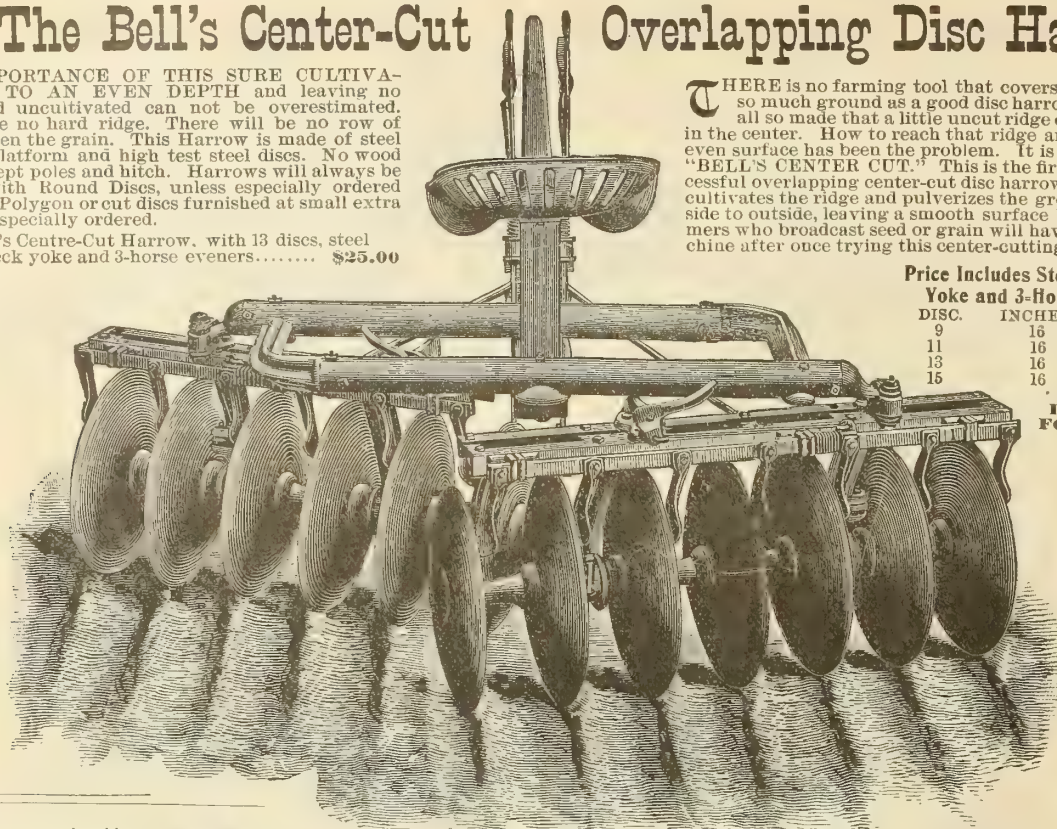
**No. 1.** Bell's Centre-Cut Harrow, with 13 discs, steel frame neck yoke and 3-horse eveners..... **\$25.00**

**T**HERE is no farming tool that covers and cultivates so much ground as a good disc harrow, but they are all so made that a little uncut ridge of ground is left in the center. How to reach that ridge and cultivate an even surface has been the problem. It is now solved by "BELL'S CENTER CUT." This is the first and only successful overlapping center-cut disc harrow. This harrow cultivates the ridge and pulverizes the ground from outside to outside, leaving a smooth surface behind it. Farmers who broadcast seed or grain will have no other machine after once trying this center-cutting harrow.

**Price Includes Steel Frame Neck  
Yoke and 3-Horse Eyzers**

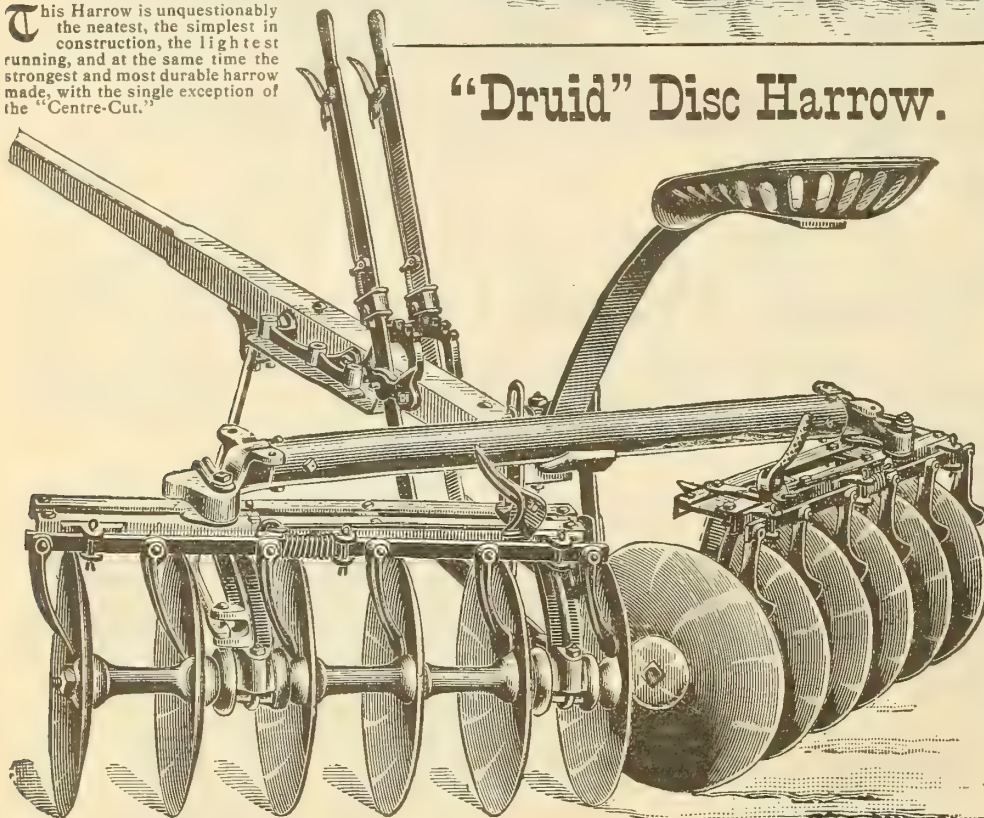
DISC.	INCHES.	PRICE.
9	16	\$22.50
11	16	25.00
13	16	27.50
15	16	30.00

**SPECIAL  
DISCOUNT  
FOR CASH**

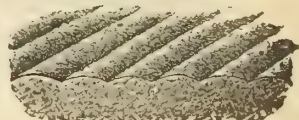


This Harrow is unquestionably the neatest, the simplest in construction, the lightest running, and at the same time the strongest and most durable harrow made, with the single exception of the "Centre-Cut."

## “Druid” Disc Harrow.



GOOD CULTIVATION.



Cut showing soil as pulverized by the Bell's Center-Cut when the gangs overlap, leaving no part uncultivated, and leaving a perfect seed bed.



Cut showing soil as pulverized with old style Harrow, when the gangs abut, but do not overlap, showing a center row of weeds and soil uncultivated.

**T**HIS Harrow is made of steel angle, extra heavy crossbeam of steel tubing. No wobble about it but the tongue and the hitch. It has many advantages over the wood frame Harrow and, in addition, will last longer. While almost any disc harrow will do fab work under the most favorable circumstances, only the BEST will stand the test at all times and under all the various conditions of soil. The cut shows the Harrow up in excellent shape, giving the construction in detail, including the most perfect set of gang scrapers made. Furnished with neck yoke and whiffletrees.

No.	Disc.	Inches.	Ft. of Cut.	Price.
00	8	16	4	\$21.00
0	10	16	5	22.00
1	12	16	6	23.00

Can also furnish a cheaper line of  
Disc Harrows.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

## **LAWN AND FIELD ROLLERS.**

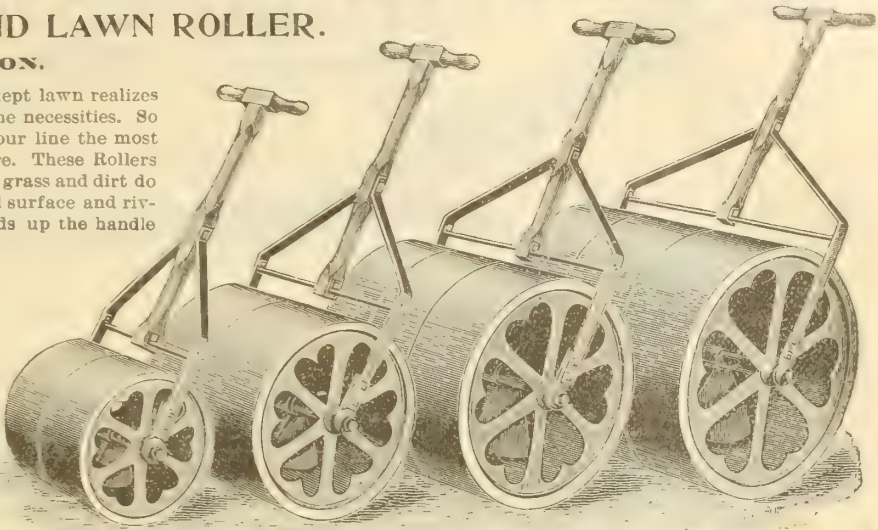
### **THE BALTIMORE HAND LAWN ROLLER.**

**CAST-IRON.**

**EVERY** person who wishes a smooth, well-kept lawn realizes the fact that a good Lawn Roller is one of the necessities. So we add to our list the BALTIMORE, making our line the most complete for all purposes to be found anywhere. These Rollers are specially desirable; they will not dent; wet grass and dirt do not cling to them, owing to their highly polished surface and rivetless ends. Have counter balance, which holds up the handle and makes it easy to push.

No.	No. Sec.	Width Face.	Diam. Sec.	Total Length.	Weight.	Price.
5		20 in.	20 in.	20 in.	250 lbs.	\$11.25
6	3	8 in.	20 in.	24 in.	300 lbs.	13.50
9	3	8 in.	24 in.	24 in.	450 lbs.	20.25
11	3	8 in.	28 in.	24 in.	500 lbs.	22.50

WE CAN FURNISH ABOVE ROLLERS TO WEIGH 50, 100 OR 150 LBS. MORE THAN THE WEIGHTS GIVEN, FOR WHICH ADD 4 CENTS PER LB.

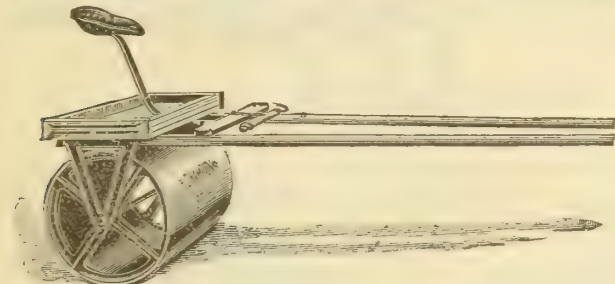


### **SUPERIOR HAND STEEL ROLLERS.**

No.	Section.	Track.	Diameter.	Av. Weight.	List Price.	Retail Price.
A	1	20 in.	20 in.	250	\$14.00	\$12.60
C	2	20 in.	20 in.	2 lbs.	15.00	13.50
F	2	24 in.	24 in.	400 lbs.	21.00	18.90

Sold 10 per cent. off net.

### **The Baltimore Horse Lawn Roller.**



**THIS** Roller is furnished with seat. We furnish this Roller in two sizes, Nos. 16 and 17. No. 16 (see cut) has 26-inch steel rim, 4 feet, one section, one horse; weight, 375 pounds. No. 17 has 26-inch steel rim, 4 feet, two sections, one horse; weight, 425 pounds.

No 16	.....	\$18 00
No. 17	.....	20.00

### **2-L. HORSE LAWN ROLLER.**

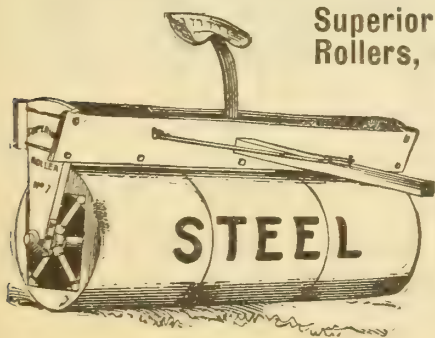
Two sections, 4 feet long, 24 inches diameter, average weight, 500 pounds.

Price	.....	\$22.50
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### **O. L. HORSE LAWN ROLLER.**

Three sections, 5 feet, average weight, 550 pounds.

Price	.....	\$27.00
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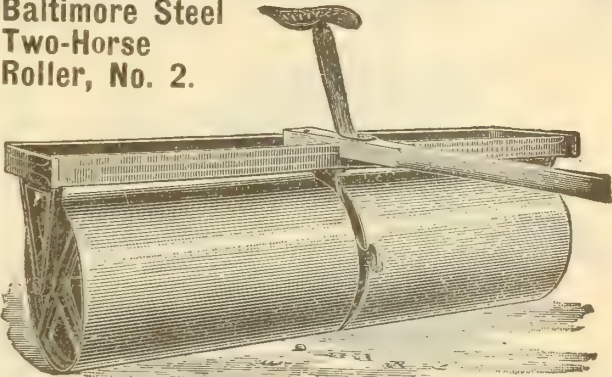


### **Superior Steel Field Rollers, No. 3.**

**R**OLLER has three sections of 2 feet each, 6 feet long; diameter, 24 inches; average weight, 550 pounds. Has no neck yoke or whiffletrees. They have a substantial hardwood weight box, which can also be used as a convenient way for clearing fields of loose stones.

Price, without Seeder Attachment, \$25.00.

### **Baltimore Steel Two-Horse Roller, No. 2.**

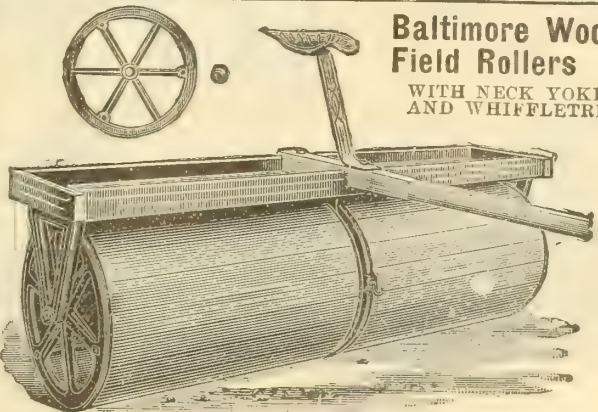


**TWO** sections; 8 feet; 26-inch steel rim; weight, 700 pounds; with neck yoke and whiffletrees. These Rollers are made with steel drums of special high carbon steel, riveted to two cast-iron heads. The rolls revolve on a 1 1/4 inch round shaft, held stationary and in place with a set screw in each end hanger, making it strong and firm. Our Removable Chilled Bearing is worth your careful attention. It can be replaced at the small price of 25 cents. No Roller is complete without it.

Price	.....	\$22.50
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### **Baltimore Wood Field Rollers**

WITH NECK YOKE AND WHIFFLETREES



**THIS** Roller is made of all Oak Staves, let into a mortise or groove in casting, and held together by three long bolts, running lengthwise inside of roll to clamp the two castings together, instead of being bolted, as most all Rollers are made. 28 inches diameter, 2 sections, each 3 feet 9 inches. Weight, 700 pounds.

Price	.....	\$17.00
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### **LAWN AND FIELD CAST-IRON ROLLERS.**

Full assortment of sizes. Prices on application.

# GRIFFITH & TURNER CO

The Original and Only Genuine

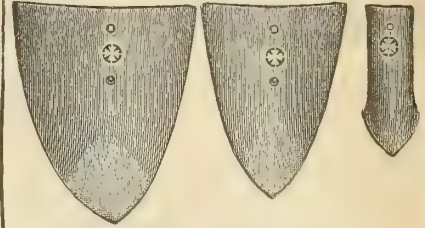
## "MALTA" IRON BEAM SINGLE AND DOUBLE SHOVEL PLOWS

THE "Genuine Malta" Double Shovel Plow, as it is

now made, consists of two solid pieces of iron—milled especially—made extra heavy in the shank, and tapered at the point, giving strength where it is most needed. It is provided with Malleable Adjustable Clevis Hook and Handle Braces. Blades are of the best of Open-hearth Steel, full weight and any desired width. We desire to call particular attention to the "Two-hole" feature in the shank—the most simple, sensible and substantial method yet devised for giving adjustment and long life to the blades. When the blades are new and long, they should be bolted in the upper hole. But after they become worn off at the point, and do not have the proper pitch or angle, they should be dropped to the lower hole. The point of the blade is thereby thrown forward and given the same pitch or angle as when new.

Has 1¼ x ¾ inch Beam.

Price, Double Shovel Plow...\$2.50  
Single Shovel Plow.... 2.25

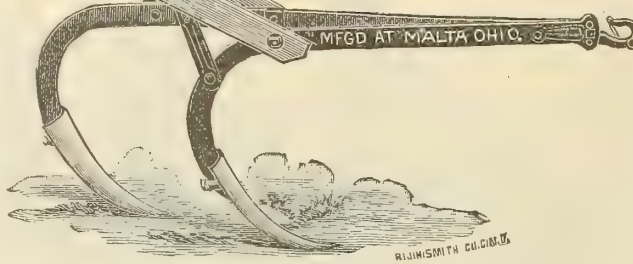


### STEELS.

For Single and Double Shovel Plows.

Full and complete line of polished steels for Single and Double Shovel Plows made in both one and two hole styles.

5½ and 6 in. D. S. blades, per pair....40c  
7 in. D. S. blades, per pair.....50c  
8 in. D. S. blades, per pair.....60c  
Bull Tongues, per pair.....40c  
10 in. single shovel blades, each.....45c  
12 in. single shovel blades, each.....50c  
14 in. single shovel blades, each.....65c  
16 in. single shovel blades, each.....75c  
Triple Shovel Plates, per set of three, 40c  
Triple Shovel Bull Tongues, per set...35c



REGISTERED U.S. PAT. OFF.

The point of the blade is thereby

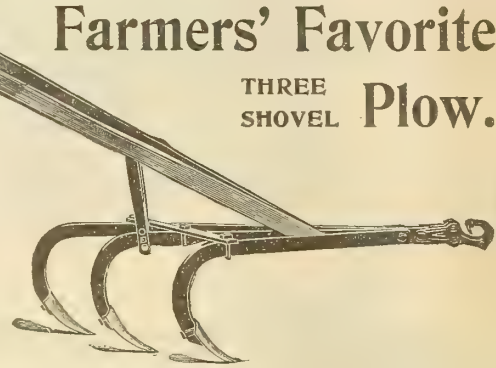
### Shovel Plow Fender

Price, each,  
35c.

### Farmers' Favorite THREE SHOVEL Plow.

PRICE.

3 Shovel Plow....\$2.50  
Extra Heavy Three  
Shovel Drag... 2.75



### Carolina Four

### Shovel Plow.

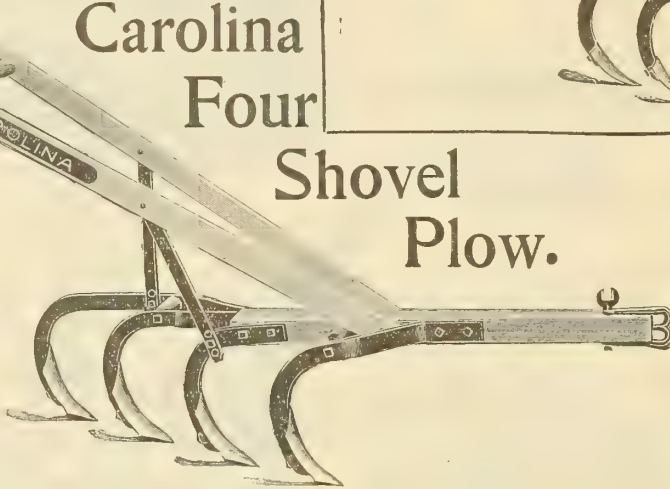
FITTED WITH EITHER  
STEEL OR WOOD BEAM.

SPECIAL  
CLEVIS ATTACHMENT.

Adjustable Expanding  
Irons for Contract-  
ing and Expanding  
Beams.

OUR RETAIL PRICE.

Wood beam.....\$3.75  
Steel beam..... 3.75



### Farmers' Favorite SINGLE AND DOUBLE Shovel Plows.

The cost of these goods is not so much in the finish as in the construction and material, that being the principal requisite in an implement. We wish to call special attention to our three and four shovel plows. They are particularly well adapted to hillside work, at the same time doing excellent work on level land, cover more ground and leave the land level and well plowed.

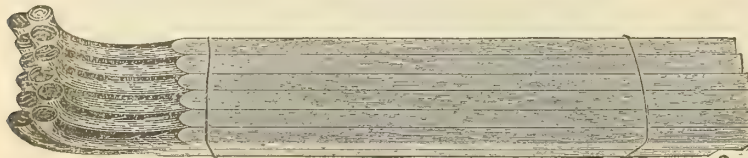
Farmers' Favorite, single shovel, \$2.00  
Farmers' Favorite, double shovel, 2.25

### SHOVEL PLOW HANDLES.

Finished, for Single and Double Shovel Plows, complete with round and rod, per set.....75c  
Finished, without round and rod, per pair.....60c  
Finished and bored, right and left, each.....30c

### FOUR NUT SHOVEL PLOW SPREADER BOLTS.

For Beams and Handles, each.....25c

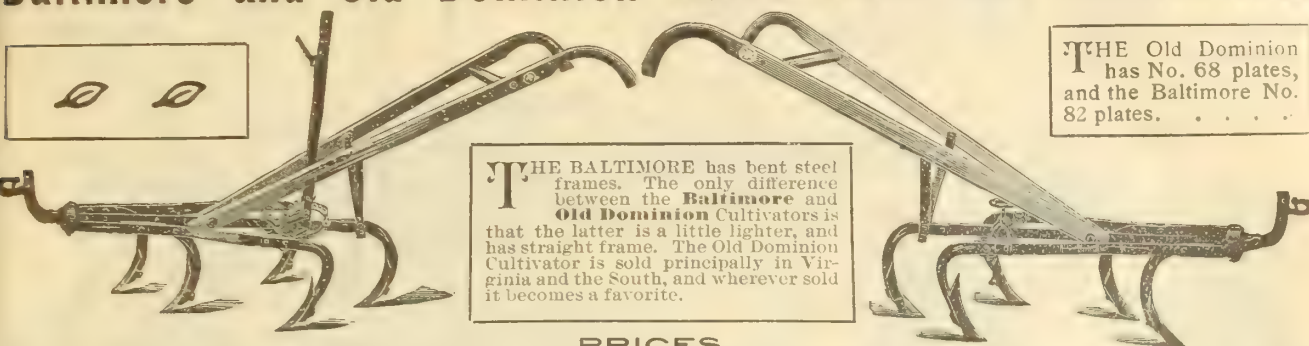
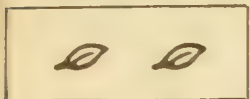


### PLOW HANDLES.

1½ x 2 inches, 5 feet long, per pair.....25c  
1¼ x 2¼ inches, 5 feet long, per pair.....30c  
1¼ x 2¼ inches, 5½ feet long, per pair.....35c  
1¼ x 2¼ inches, 6 feet long, per pair.....40c  
1¼ x 2¼ inches, 7 feet long, per pair.....45c  
1½ x 2½ inches, 5 feet long, per pair.....45c  
1½ x 2½ inches, 5½ feet long.....50c

**GRIFFITH & TURNER CO.**

# Baltimore and Old Dominion Horse Hoes and Cultivators.



THE Old Dominion has No. 68 plates, and the Baltimore No. 82 plates. . . .

**T**HE BALTIMORE has bent steel frames. The only difference between the **Baltimore** and **Old Dominion** Cultivators is that the latter is a little lighter, and has straight frame. The Old Dominion Cultivator is sold principally in Virginia and the South, and wherever sold it becomes a favorite.

## PRICES.

Baltimore Cultivator .....	\$2.75	Old Dominion Cultivator .....	\$2.50
Baltimore Horse Hoe and Cultivator combined, plain.....	3.75	Old Dominion Cultivator and Horse Hoe, plain.....	3.50
Baltimore Horse Hoe and Cultivator combined, with wheel....	4.25	Old Dominion Cultivator and Horse Hoe, with wheel.....	4.00

For Lever on Old Dominion or Baltimore, add 60c.

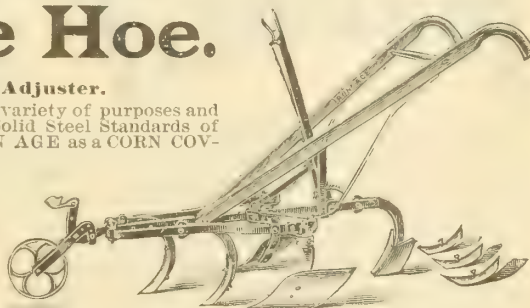
## The Iron Age Horse Hoe.

**Wheel and Cultivator Combination—with or without Lever Adjuster.**

THE IRON AGE is celebrated for solidity of construction, adaptation to a great variety of purposes and ease of handling. The reversible hoes or plows of Horse Hoe are bolted to Solid Steel Standards of their own (not attached to light cultivator standards). The value of the IRON AGE as a CORN COVERER is now well known, also for covering Peas, Potatoes, etc., and for making up rows for root crops it is not surpassed.

## PRICES

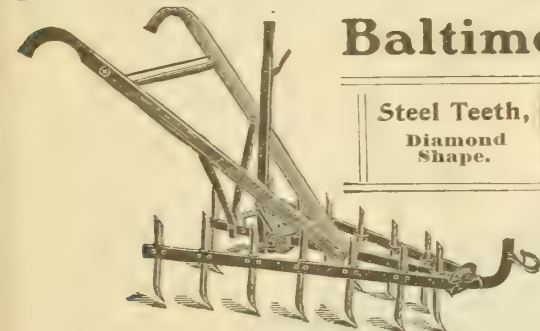
Iron Age Cultivator, plain.....	83.25
Iron Age Cultivator, with Lever.....	4.00
Iron Age Horse Hoe and Cultivator, plain.....	4.25
Iron Age Horse Hoe and Cultivator, with Wheel.....	4.75
Iron Age Horse Hoe and Cultivator, with Lever and Wheel.....	5.50
Iron Age Horse Hoe, Cultivator and Corn Coverer combined, plain.....	5.50
Iron Age Horse Hoe, Cultivator and Corn Coverer combined, with Lever.....	6.25



# Baltimore Combined Harrow

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## AN implement in EVERY WAY WORTH and Cultivator.

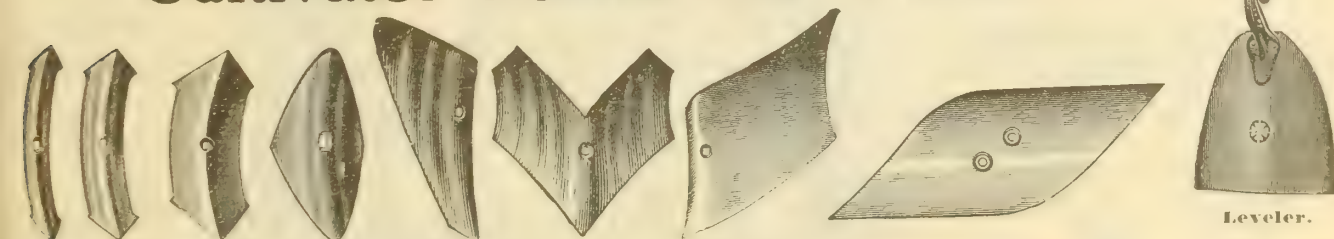


**Steel Teeth,  
Diamond  
Shape.**

# **A** N implement in every way worthy of purchase by all wide-awake farmers; they cannot afford to do without it. Four positions, the teeth doing good work in all crops. This is not to be compared with low-priced harrows, similar in appearance, but made of common material. The sale in this style tool has been phenomenal. At first we sold quite a number, and the indications were for a big trade, but we had no idea that the sales would reach their present proportions. The teeth have four positions—first, the position as shown in cut, in which case it can be used for working very close to small plants. Thoroughly pulverizes, but throws no dirt on plants. Second position, as a straight tooth harrow. Third position, the teeth can be arranged as a smoothing harrow, with sharp points down, in order to cut and level the surface. Fourth position, the teeth can be set with sheared end down, being less liable to injure young plants

Price, without lever.....	<b>\$3.00</b>	Price, with lever.....	<b>\$3.50</b>
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## Cultivator Points and Steels.



Leveler.

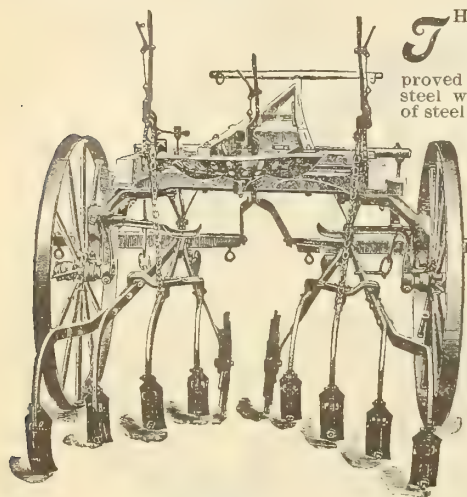
<b>O</b>	<b>1</b>	<b>82</b>	<b>68</b>	<b>10</b>	<b>11</b>		<b>16</b>	<b>12</b>
No.	0-1 $\frac{1}{4}$ in. Diamond Point Steel.....	\$ .06					No. 12—Horse Hoe, Steel, with Shank or Standard, per pair .....	\$1.00
"	1-2 " " " " " " " " " "	.06 $\frac{1}{2}$					12—" without Shank or Standard, per pair.....	.56
"	82-3 " " " " " " " " "	.07					Horse Hoe Attachments complete, in three pieces.....	1 15
"	68-Oval or Jersey " " " " " " " " "	.07 $\frac{1}{2}$					(The No. 12 is represented on the cut of the Iron Age Horse Hoe.)	
"	10-Turn Shovel, right or left, each.....	.18					Wheels for Cultivators, each.....	.60
"	11-6 inch Sweep.....	.15					Leverls for Cultivators, each.....	.85
"	11-8 inch Sweep.....	.18					Cultivator Plate Bolts, each.....	.02
"	16-Turn Shovel.....	.18					Cultivator Frame Bolts, each.....	.02

**All of the above goods are of Best Steel and Highly Polished.**

**Special Prices on Bolts in Quantities.**

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

## **The Hensch Improved Pivot Axle Cultivator**



**T**HIS is our regular Hensch Cultivator but with new improved pivoted spindles and steel wheels. Spindles are of steel and are clamped in malleable castings with foot stirrups attached, and are pivoted above the hub, and close to the spokes or centre of the wheel, thus making the leverage between the wheel and the fulcrum very short, requiring less than one-half the power by the feet to move them than the old style

Hensch... Cultivator.

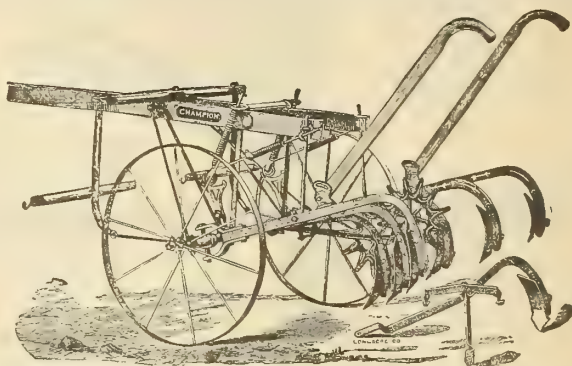
It can be narrowed from 47 inches to 36 inches between the wheels, thus enabling the operator to cultivate rows from 28 inches up to 4 feet apart. This is about 14 inches closer between the wheels than our old style Hensch Cultivator. We use steel wheels 36 inches high with renewable boxes. The spindles are 1½ inch round steel, 8 inches long, and can be renewed very quickly by any blacksmith. We furnish it with either three or four shovels on each side, or drag bar as desired. Also a pair of hilling shovels and one pair of bull tongues.

### **HENCH IMPROVED CULTIVATOR.**

1 Shovel Pin Hoe.....	\$25.00	2 Centre Beams and Shovels	
1 Shovel Spring Hoe.....	28.50	Pin Hoe.....	\$2.50
1 Shovel Pin Hoe.....	27.50	2 Centre Beams and Shovels	
1 Shovel Spring Hoe.....	31.00	Spring Hoe.....	3.50

**SPECIAL PRICES FOR CASH.**

## **HENCH CHAMPION STEEL WALKING CULTIVATOR**



In the above cut is seen our six-shovel Corn and Fallow Cultivator with seventh or middle shovel.

Perfect spring pressure and hoisting device for regulating the shovel beams or drag bars for deep or shallow cultivating.

The high arch permits its use in high corn, and, being firmly braced gives it great strength.

We furnish the same patent spring hoe that is used on our riding Cultivators for rocky or stumpy land at small extra cost.

### **PRICE.**

Six-shovel Cultivator, Pin Hoe, with Two Bull Tongues and Two Hilling Shovels.....	\$15.50
Seventh or Middle Shovel, extra.....	1.50
Six-shovel Cultivator, Spring Hoe.....	19.25
Seventh or Middle Shovel.....	2.25
Eight-shovel Cultivator, Pin Hoe.....	16.80
Eight-shovel Cultivator, Spring Hoe.....	21.50

### **Special Price for Cash.**

## **STEELS FOR HENCH & DROMGOLD'S RIDING CULTIVATOR AND CHAMPION WALKING CULTIVATOR.**

2x10 inch plain shovel, without revolving back, at.....	15c
3½x10½ inch new style shovels, with revolving back.....	25c
3½x10½ inch old style shovels, without revolving back.....	20c
6x11 blade, with revolving back, for four shovel Cultivators.....	40c
Hilling shovels, each.....	50c

## **Hensch's 20th Century Steel Ball Coupling Cultivator.**

This is a perfect machine for both rolling and level land. Pivot axle, easy of adjustment, simple arrangement to accommodate the machine for narrow rows. Can be furnished either or pin or spring hoe.

Fig. 51 shows the ball and socket coupling with one cap removed. The shovel gangs are coupled in front by steel balls, 1½ in. diameter, and malleable sockets having larger running surface and no lost motion whatever. This simple arrangement prevents the lateral movement so common in this style of machine, so that, if the shovel happens to strike a bunch of grass, it will not glance around, but will cut it out. By simply slackening four nuts on the wheel standards they can be moved in or out on the axle, narrowing the wheels from 46 inches, the widest point, to 34 inches, the narrowest point, between the wheels.

Wheels 32 inches high, made of steel, with 1 inch tread, malleable hubs, removable boxes, which can be replaced if worn out. Weight, about 375 pounds.

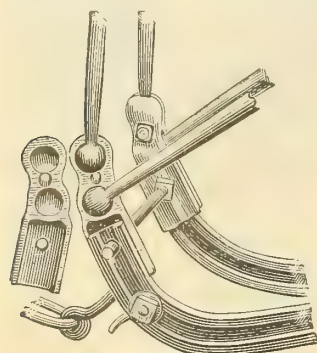
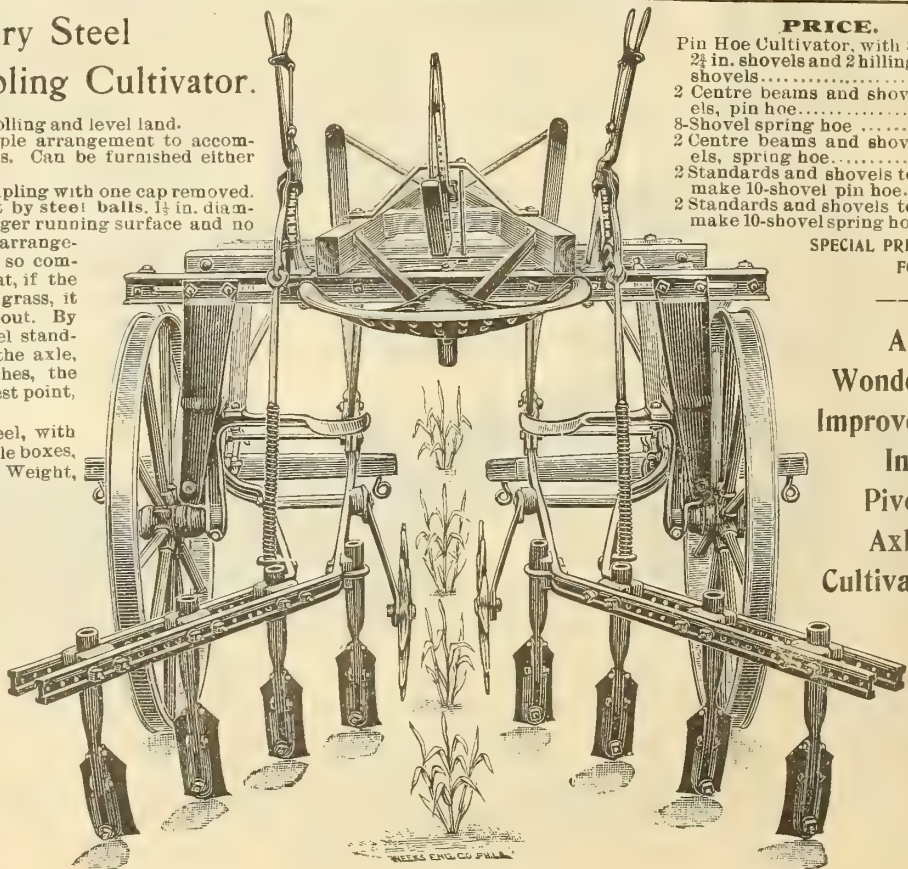


Fig 51.



### **PRICE.**

Pin Hoe Cultivator, with 8 2½ in. shovels and 2 hilling shovels.....	\$29.00
2 Centre beams and shovels, pin hoe.....	2.50
8 Shovel spring hoe.....	32.50
2 Centre beams and shovels, spring hoe.....	3.50
2 Standards and shovels to make 10-shovel pin hoe..	2.00
2 Standards and shovels to make 10-shovel spring hoe	3.00

**SPECIAL PRICES FOR CASH**

**A  
Wonderful  
Improvement  
In  
Pivot  
Axle  
Cultivators.**



SPECIAL  
PRICE FOR  
CASH.

# No. 70 "IRON AGE"

**Advantages of a Combined Pivot and Fixed Wheel Riding Cultivator.**—Certain work can be more satisfactorily accomplished by a Cultivator with fixed wheels; while at other

**As a Fixed Wheel Cultivator.**—In this style the wheels are rigid, while the gangs are movable, the guiding of the gangs being accomplished by pressure of the foot on one or the other of the foot rests, the same method of moving the gangs as when it is operated as a pivot wheel. This is an important feature, as it simplifies the Cultivator, and the operator uses the same forward motion of the foot as when using this tool as a pivot wheel—no side push.

**As a Pivoted Wheel Cultivator.**—There are two forms in which our combined Riding Cultivator can be operated as a pivot wheel; the wheels can be guided by the feet, while the gangs remain rigid, or, if the rows to be cultivated are unusually crooked, in a moment's time he can have the gangs moving in unison with the wheels. The slightest change in direction of the running of the wheels also affects the movements of the gangs.

The wheels are made of steel, 30 inches high, with a broad faced tire, 2½ inches wide. They are adjustable in width at any point between 42 inches as the widest and 32 inches as the narrowest. This adjustment allows for the entire cultivation of rows 54 inches apart, and as close as 28 inches or even narrower.

**T**HE patented lever arrangement, by which the wearisome work of guiding the teeth by the feet is almost entirely dispensed with. By the use of this single lever all misplaced hills are easily and quickly dodged.

Further than this, by the same lever the independent pair of teeth are so completely under the control of the operator that the two teeth can be opened out to pass a wide spreading plant; or, by simply depressing the lever, brought so closely together as to thoroughly cultivate the space between the hills.

The front teeth are provided with a pair of foot loops, to be used in case of an unsteady team that requires the use of both hands in driving, and also at ends of rows for same reason. Ordinarily the feet should be placed on the outside gangs, in order to give more pressure when required. As shown by the cut, we have a hitch, adjustable in two ways—lower, for hard ground, and sideways, to overcome the leading of the plows.

The Standards are the same as used on our Pivot Wheel Cultivator, having the same adjustment in angle and depth.

**The Wheels** are made of best steel, and can be narrowed up to 39 inches and widened to 52 inches, thus making it like our Pivot Wheel, adapted to the cultivating of nearly all crops.

Packed weight, 400 pounds.

**"IRON AGE"**

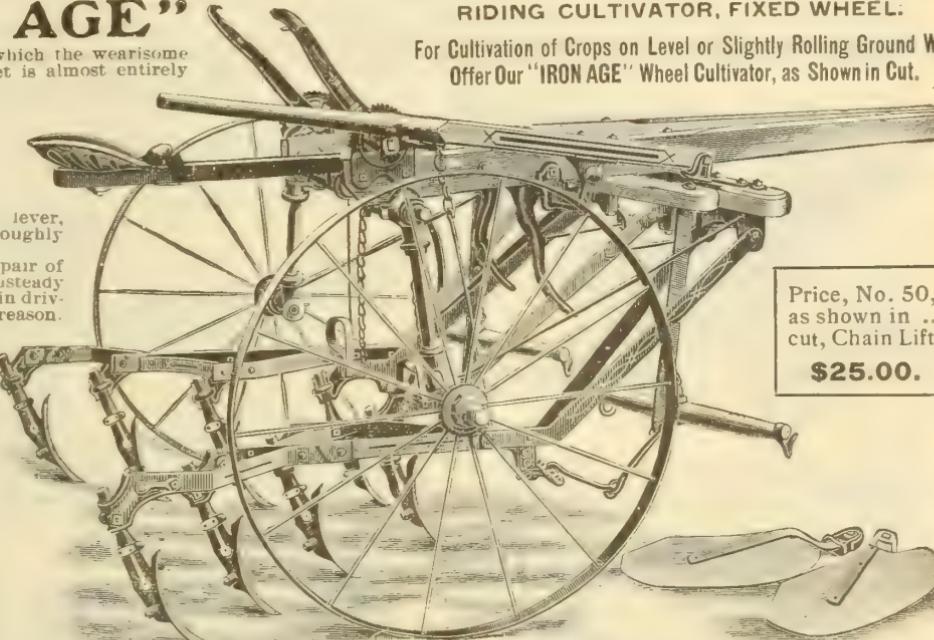
which the wearisome  
set is almost entirely

the lever,  
roughly

pair of  
unsteady  
in driv-  
reason.

**RIDING CULTIVATOR, FIXED WHEEL.**  
For Cultivation of Crops on Level or Slightly Rolling Ground We  
Offer Our "IRON AGE" Wheel Cultivator, as Shown in Cut.

Price, No. 50,  
as shown in  
cut, Chain Lift,  
**\$25.00.**



For Cultivation of Crops on Level or Slightly Rolling Ground We Offer Our "IRON AGE" Wheel Cultivator, as Shown in Cut.

Price, No. 50,  
as shown in ..  
cut, Chain Lift,  
**\$25.00.**

FOR MALTA, BROWN AND  
SIMILAR STYLES WALKING  
AND RIDING CULTIVATORS.

Blades furnished without holes to be fitted, price each.....35c.  
Bull Tongues, same as above, each ....30c.  
Malta Riding Cultivator Blades complete, with back and bolts, each.....60c.  
Malta Riding Cultivator Calf Tongues, complete with backs and bolts, each 45c.

No. 90, Plates,  $1\frac{1}{4}$  inches wide, each..  $12\frac{1}{2}c$ .  
No 91, Plates,  $2\frac{1}{2}$  inches wide, each..  $13\frac{1}{2}c$ .  
No. 92, Steels, per pair.....  $65c$ .

81

9:2

# GRIFFITH & TURNER CO

## Baltimore Garden Barrow.

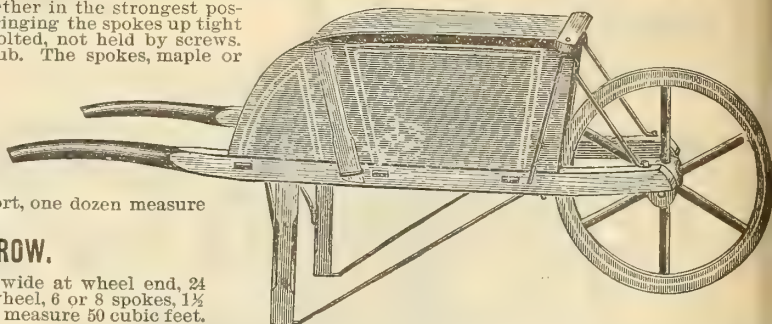
THE wheels are of wood, with wood hub, and put together in the strongest possible manner. The tire is set by steam pressure, bringing the spokes up tight in every joint. Iron leg braces are thoroughly bolted, not held by screws. The wheels have iron bands shrunk on end of hub. The spokes, maple or beech, shaped, not turned.

### No. 4, MEDIUM SIZE or MAN'S BARROW.

Inside measurement of box, 26½ inches long, 18½ inches at wheel end, 23 inches wide at handle end, 12 inches deep. Has 20 inch wheel, 6 or 8 spokes, 1½ inch tread, ½ inch gudgeon. Painted green or blue. Bottoms matched and glued. Nicely painted and striped. Packed for export, one dozen measure 55 cubic feet. Price, \$3.75.

### No. 5, LARGE SIZE or MAN'S BARROW.

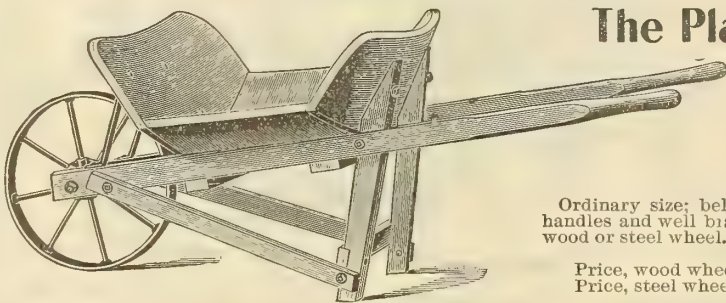
Inside measurement of box, 28 inches long, 20 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has 22 inch wheel, 6 or 8 spokes, 1½ inch tread, ½ inch gudgeon. Finished as above. Packed, measure 50 cubic feet. Price, \$4 00.



## The Baltimore Canal Barrows.

Full sized tray, edges shared, bolted to legs, and well bolted and braced in front. Handles and legs of selected hardwood; wheels painted. Furnished in both wood and steel wheel.

Price, wood wheel.....\$2.25  
Price, steel wheel..... 2.50



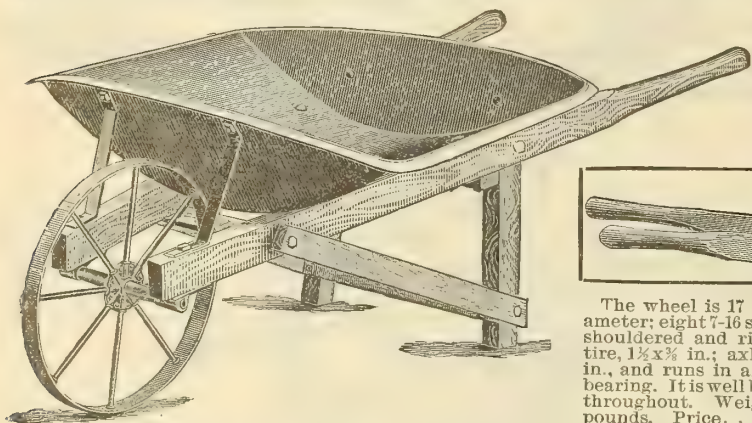
THE BALTIMORE CANAL BARROW.

## The Plain Bolted Canal Barrows.

Ordinary size; belt tray; legs bolted to handles and well braced. Furnished with wood or steel wheel.

Price, wood wheel.....\$1.75  
Price, steel wheel..... 2.00

## WOOD FRAME Solid Pressed STEEL TRAY BARROW

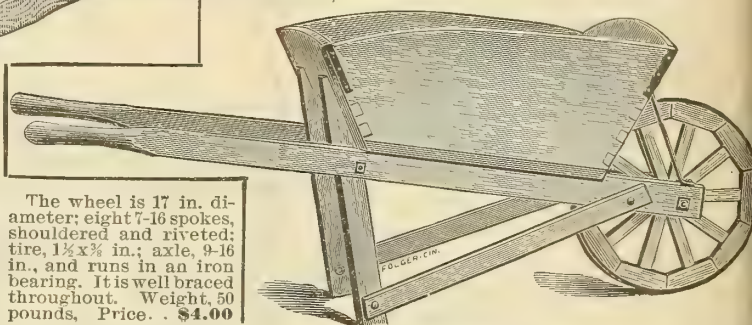


The wheel is 17 in. diameter; eight 7-16 spokes, shouldered and riveted; tire, 1½x¾ in.; axle, 9-16 in., and runs in an iron bearing. It is well braced throughout. Weight, 50 pounds. Price, \$4.00

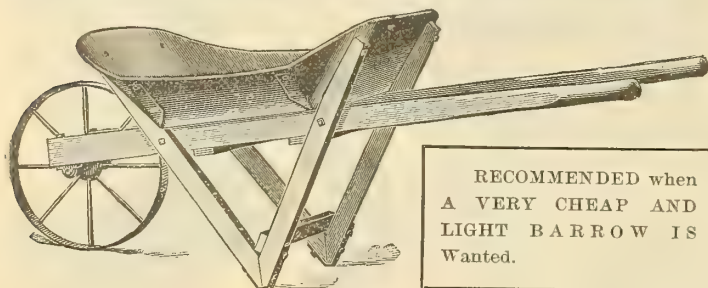
## Coal and Mortar Barrow.

Top is iron banded, strongly braced and bolted; has large capacity.

Price, wood wheel.....\$3.50  
Price, steel wheel..... 3.75



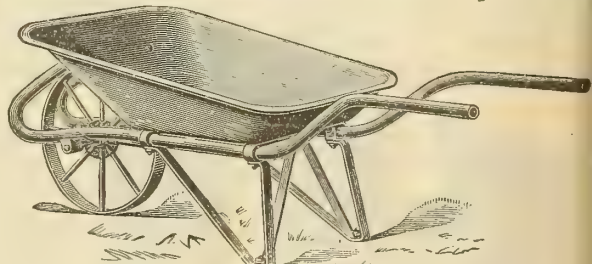
## THE SOUTHERN STEEL TRAY.



RECOMMENDED when  
A VERY CHEAP AND  
LIGHT BARROW IS  
Wanted.

Price.....\$3.00

## Tubular Frame Solid Pressed Steel Tray Barrow



A 4—Tray 16 gauge, steel; capacity 3 cubic feet; weight 58 pounds; wheel 17 in. diameter; tire, 1½x¾ in., eight ¾ in. spokes, shouldered and riveted. axle, ¾ in. For moving earth, ashes and light work. Price..... \$5.00  
B 5—Tray, 14 gauge, steel; capacity, 5 cubic feet; weight, 75 pounds mounted on same frame and wheel as A 4. For general purposes and light running. It will stand hard usage. Price..... \$5.75

Special Discount for Cash.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

# GRIFFITH & TURNER CO

THE LATEST IMPROVED

## Haslup Patent Wheel Scraper

IT LEADS.

**H**OUNDS are doubled on tongue, strengthened by a system of braces and supports. The double hounds, joined by heavy piece of steel, set edgewise, passing through strong loop, extending around end of tongue, preventing twisting or sagging, permitting no failure of hooks on hounds, catching on adjustable hooks on side of pan when lever is thrown forward for filling. Stationary hooks on hounds are strong and heavy, well braced and securely riveted.

### DESCRIPTION OF SIZES.

Order by Number Only.

We Make Three Sizes.

**No. 1.**—Capacity, 9 cubic feet; size of bowl, 36 inches long, 36 inches wide, 12 inches deep; wheels, 36 inches high; tire, 3x $\frac{1}{4}$ ; steel axle, 1 $\frac{1}{2}$  inches square, arched high, spindles turned and polished; tongues, best quality of hardwood, heavily ironed, with double steel draft-bars; weight, 450 lbs. Price, \$27.50.

**No. 2.**—Capacity, 13 cubic feet; size of bowl, 37 inches long, 38 inches wide, 13 $\frac{1}{2}$  inches deep; wheels, 40 inches high; tire, 3x $\frac{1}{2}$ ; steel axle, 1 $\frac{3}{4}$  inches square, arched high, spindles turned and polished; tongues, best quality of hardwood, heavily ironed, with double steel draft-bars; weight, 600 lbs. Price, \$35.00.

**No. 3.**—Capacity, 17 cubic feet; size of bowl, 41 inches long, 44 inches wide, 16 inches deep; wheel, 44 inches high; tire, 3x $\frac{1}{2}$ ; steel axle, 1 $\frac{3}{4}$  inches square, arched high, spindles turned and polished; tongues, best quality of hardwood, heavily ironed, with double steel draft-bars; weight, 750 lbs. Price, \$42.00.

Nos. 2 and 3 are furnished with heavy wood hub wheels; hubs, spokes and rims made of thoroughly seasoned stock. Sarven or metal wheels are furnished when ordered. No. 3 wheelers are furnished regularly with snatch rod, and No. 2 when specially ordered. We can furnish doubletrees and neck-yokes when ordered, but charge extra for them.



## Haslup Round Back, Solid Pressed Drag Scraper.

**T**HE sides at the front of the Scraper are carried up on a line with top and are not sheared off as Scrapers of all other makes are. This prohibits the Scraper from wasting dirt and carries the point up off the ground while returning from the dump.

The flange around the back and sides is a continuation of the same plate that the Scraper is made from, and adds very much to its strength and carrying capacity.

They are furnished with our long-tried steel bails and wrought-iron swivels. The handles are sawed tapering and driven into sockets securely riveted on the sides. The runners are made of special quality of hard steel and fastened to the Scraper with deep counter sunk head rivets.

**No. 1.**—Capacity, 7 cubic feet; weight, 100 lbs. Price, \$6.00.

**No. 2.**—Capacity, 5 cubic feet; weight, 90 lbs. Price, \$5.75.

**No. 3.**—Capacity, 3 $\frac{1}{2}$  cubic feet; weight, 80 lbs. Price, \$5.50.

**Our Railroad and Township Grading Plows** cut narrow and deep furrows, and are of light draft. Strong beams, handles and standards—all parts well braced. Mold-boards, land-

slides and points made alike and interchangeable. Points put on with five-eighths bolt, and easily taken off and replaced. Plows scour well in all kinds of soil.

**No. 1.**—Right hand, 2 to 4 horse, beam 6 $\frac{1}{2}$  feet; weight 150 lbs. Price, \$25.00.

**No. 1.**—Left hand, 2 to 4 horse, beam 6 $\frac{1}{2}$  feet; weight 150 lbs. Price, \$25.00.

**No. 2.**—Right hand, 4 to 6 horse, beam 7 $\frac{1}{2}$  feet; weight 200 lbs. Price, \$27.50.

**No. 2.**—Left hand, 4 to 6 horse, beam 7 $\frac{1}{2}$  feet; weight 200 lbs. Price, \$27.50.

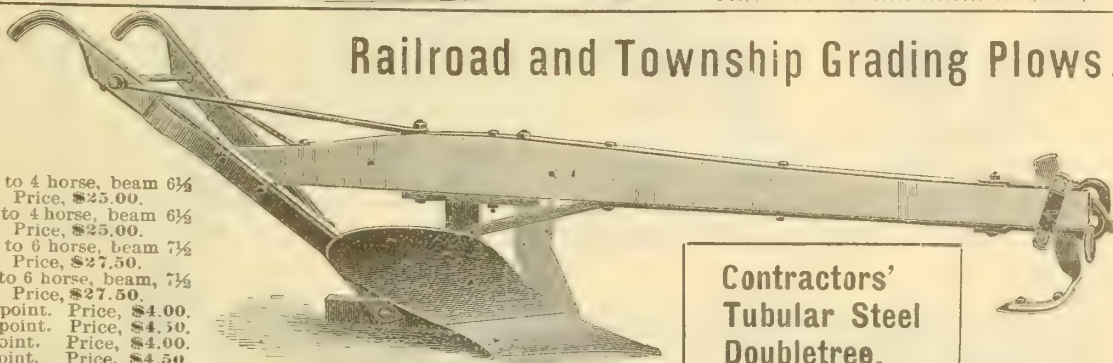
**No. 1.**—Right hand point. Price, \$4.00.

**No. 2.**—Right hand point. Price, \$4.50.

**No. 1.**—Left hand point. Price, \$4.00.

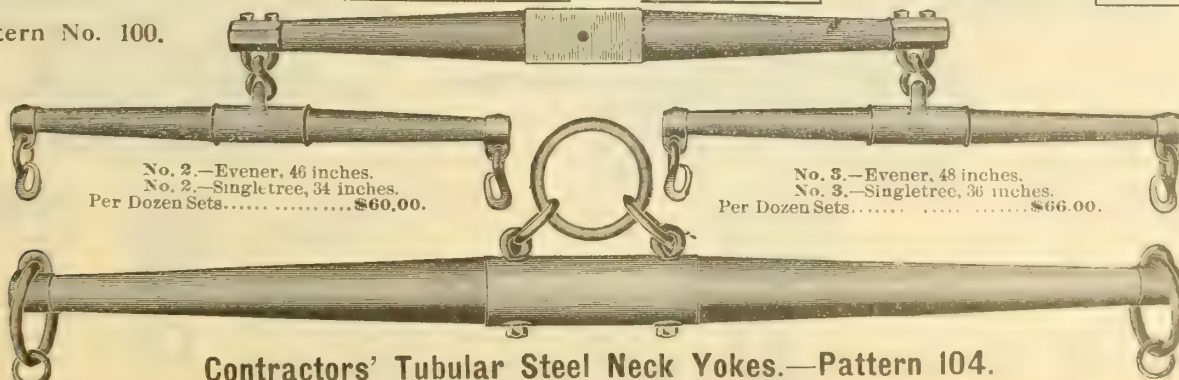
**No. 2.**—Left hand point. Price, \$4.50.

## Railroad and Township Grading Plows.



**Contractors' Tubular Steel Doubletree.**

Pattern No. 100.



**No. 2.**—Evener, 46 inches.  
**No. 2.**—Singletree, 34 inches.  
Per Dozen Sets.....\$60.00.

**No. 3.**—Evener, 48 inches.  
**No. 3.**—Singletree, 36 inches.  
Per Dozen Sets.....\$66.00.

## Contractors' Tubular Steel Neck Yokes.—Pattern 104.

**No. 1.**—Length, 44 inches, dozen, \$18.00.

**No. 2.**—Length, 46 inches, dozen, \$23.00.

**No. 3.**—Length, 48 inches, dozen, \$25.75.

## HAY CARRIERS.

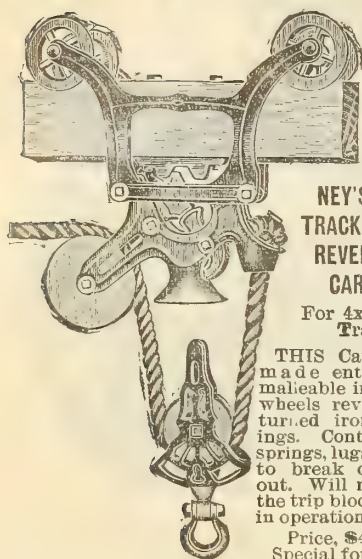


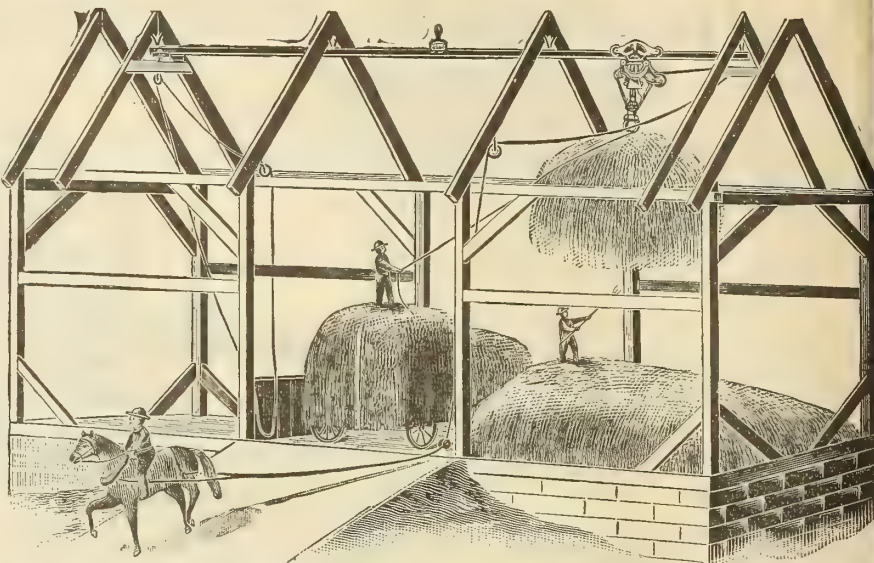
Fig. 22.

### NEY'S WOOD TRACK SWIVEL REVERSIBLE CARRIER.

For 4x4 Wood  
Track.

THIS Carrier is made entirely of malleable iron. All wheels revolve on turned iron bushings. Contains no springs, lugs or pins to break or wear out. Will not pass the trip block while in operation.

Price, \$4.25.  
Special for cash.



Steel Track, per foot..... 12c.

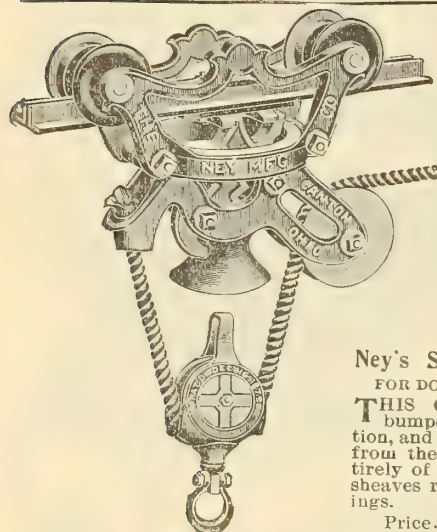


Fig. 5.

### Neys' Swivel Reversible Carrier. FOR DOUBLE-ANGLE STEEL TRACK.

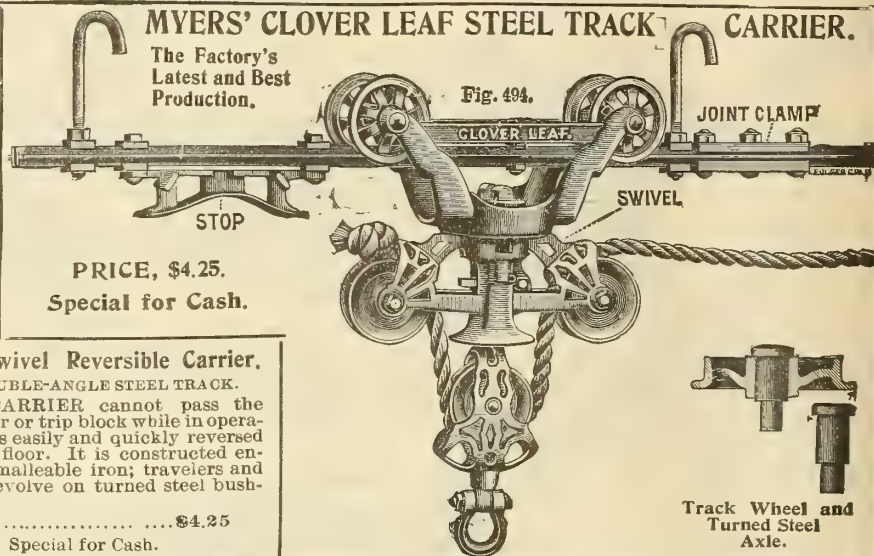
THIS CARRIER cannot pass the bumper or trip block while in operation, and is easily and quickly reversed from the floor. It is constructed entirely of malleable iron; travelers and sheaves revolve on turned steel bushings.

Price.....\$4.25

Special for Cash.

### MYERS' CLOVER LEAF STEEL TRACK CARRIER.

The Factory's  
Latest and Best  
Production.

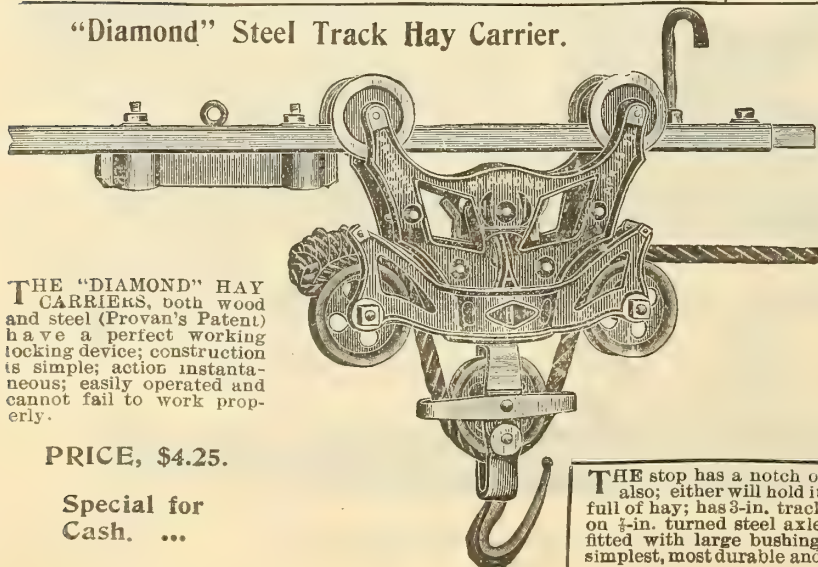


PRICE, \$4.25.

Special for Cash.

Track Wheel and  
Turned Steel  
Axle.

### "Diamond" Steel Track Hay Carrier.

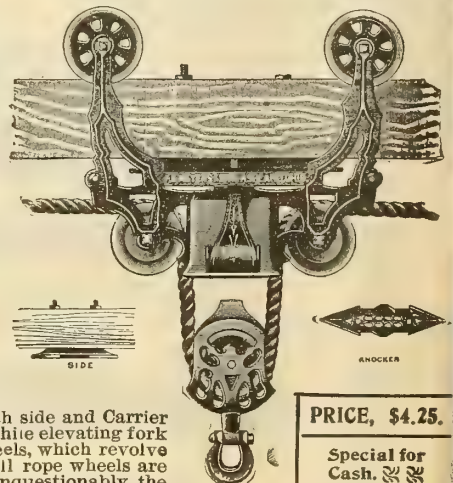


THE "DIAMOND" HAY CARRIERS, both wood and steel (Provan's Patent) have a perfect working locking device; construction is simple; action instantaneous; easily operated and cannot fail to work properly.

PRICE, \$4.25.

Special for  
Cash. ...

### Myers' Double-Lock Reversible Carrier.



PRICE, \$4.25.

Special for  
Cash. & &

THE stop has a notch on each side and Carrier also; either will hold it in while elevating fork full of hay; has 3-in. track wheels, which revolve on 1/2-in. turned steel axles. All rope wheels are fitted with large bushings. Unquestionably the simplest, most durable and reliable Carriers made.

## **HAY TOOLS AND FIXTURES**

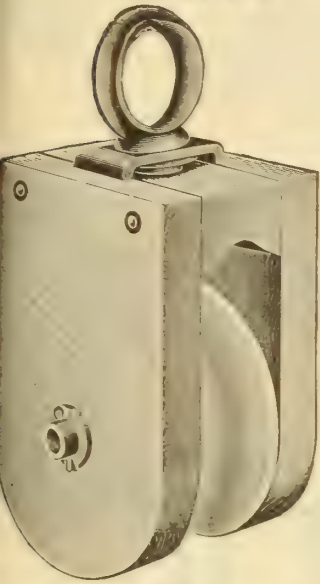


Fig. 43.

**Wood Frame Pulley.**

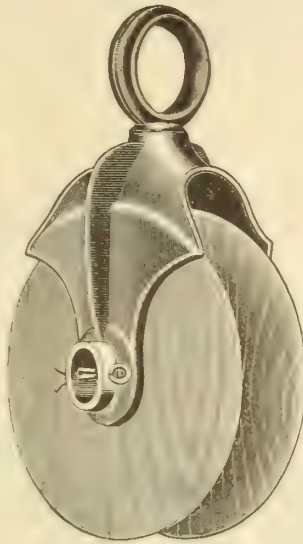


Fig. 44.

**Hard Maple Sheave Pulley.**

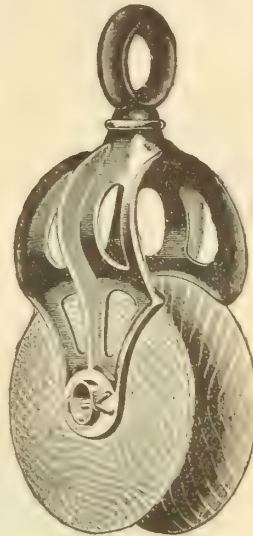


Fig. 46.

**Knot-Passing Pulley.**

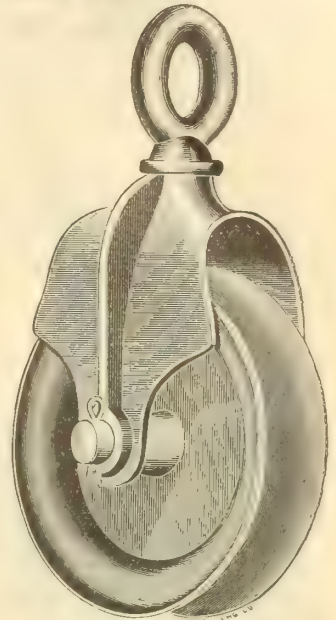


Fig. 45.

**All Iron Pulley.**

## **HAY FORKS.**



Fig. 47.

**Harris Double Harpoon Fork.**

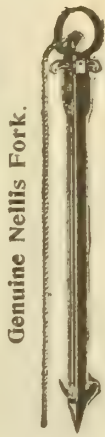


Fig. 48.

**Genuine Nellis Fork.**

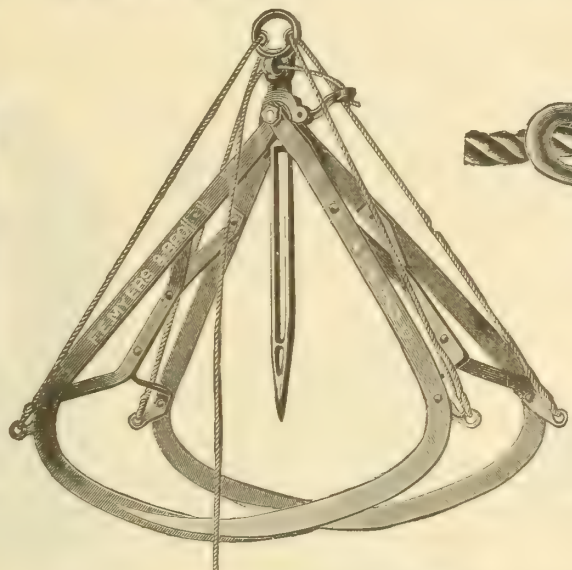


Fig. 49. **Myers' Four Tine Grapple Fork.**



Fig. 50.

**Swivel Rope Hitch.**



Fig. 51. (Keesh).

**Malleable Rafter Bracket.**



Fig. 52.



Fig. 53.—Wood Track Hook.

### **... PRICES ...**

Fig. 43.—WOOD FRAME PULLEY—An exceptionally good pulley made of hardwood, well seasoned. Furnished in either hook or eye.....	\$ .25
Fig. 44.—MAPLE SHEAVE PULLEY—6 in. sheave, boiled in oil, cast frame and holder pin.....	.20
Fig. 45.—ALL IRON PULLEY—Has 5 in. sheave, swivel eye, well made, finished in baking japan.....	.20
Fig. 46.—KNOT-PASSING PULLEY—Has strong iron frame, swivel eye, with inside flange to protect rope. Has 6 in. sheave of thoroughly seasoned hard maple on hollow loose pin.....	.30
Fig. 47.—HARRIS DOUBLE HARPOON FORK.....	1.00
Fig. 48.—GENUINE NELLIS HARPOON FORK.....	2.00
Fig. 49.—MYERS' FOUR TINE GRAPPLE HOOK.....	4.50
Fig. 50.—SWIVEL ROPE HITCH.....	.20
Fig. 51.—RAFTER BRACKET, malleable.....	.06
RAFTER BRACKET, steel.....	.06
Fig. 52.—FLOOR HOOK.....	.08
Fig. 53.—HANGING HOOK FOR WOOD TRACK.....	.08
HANGING HOOK FOR STEEL TRACK.....	.08
Extra Trips or Stops for Cars..	.50
Steel Track, per foot.....	.12

## Wabash Commercial Engine.

**Size**—Base 13 inches long, 9 inches wide.  
**Height**—From bottom of base to top of cylinder, 26 inches.  
**Weight**—Packed for shipment, about 350 pounds.  
**Power**—Made in one size only—1½ horse.

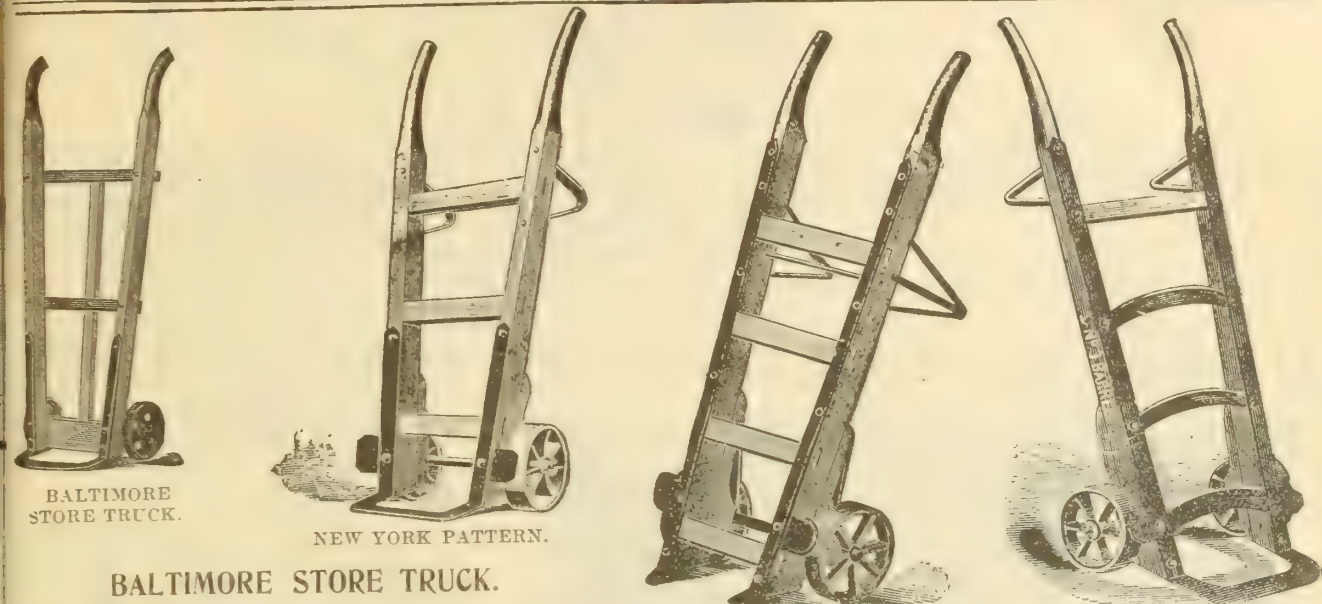
## Wabash Pumping Engine.

**Power**—Made in one size only—1½ horse.  
**PRICE**—Packed in case complete . . . . . \$100.00.

## Stationary Engines.

Horse Power. H. P. developed varies according to speed.	Revolutions per Minute.	Standard Diameter Driving Pulleys. Sizes can be ordered to suit requirements.	Total Weight of Engines.	Floor Space.	List Price.
1½ to 2	350 to 450	6 inches.	500 lbs.	16x20	\$125.00
2½ to 3	300 to 350	8 "	800 "	20x28	160.00
4 to 5	250 to 300	10 "	1,300 "	24x30	250.00
6 to 8	200 to 250	14 "	2,000 "	27x38	415.00
12 to 15	200	20 "	3,200 "	34x45	625.00
<b>PORTABLE.</b>					
6 to 8	225 to 250	28 inches.	2,700 lbs.	...	\$500.00
12 to 15	200	36 "	4,200 "	...	750.00
<b>SEMI-PORTABLE.</b>					
2½ to 3	300 to 350	8 to 14 inches.	1,100 lbs.	...	\$200.00
4 to 5	250 to 300	10 to 24 "	1,500 "	...	292.00

106



BALTIMORE  
STORE TRUCK.

NEW YORK PATTERN.

## BALTIMORE STORE TRUCK.

BEST LIGHT TRUCK MADE FOR THE MONEY.

List Price.....	\$4.00
Retail Price.....	2.00

## NEW YORK PATTERN.

HALF STRAPPED.		FULL STRAPPED.	
List Price.	Retail Price.	List Price.	Retail Price.
No. 0.....\$ 4.40	\$ 2.60	No. 0.....\$ 5.15	\$ 3.10
" 1..... 4.00	2.70	" 1..... 5.35	3.80
" 2..... 6.10	3.65	" 2..... 7.10	4.25
" 3..... 8.00	4.80	" 3..... 9.00	5.40
" 4..... 9.50	5.00	" 4..... 11.00	5.60
" 5..... 11.50	6.90	" 5..... 13.50	8.10

## NEW YORK PATTERN.

No.	Length Handles.	Width Nose.	Width at Upper Bar.	Diameter Wheels.	Weight.
1	4' 0"	12 1/2"	18 "	8 "	42 lbs.
2	4' 5"	14 "	19 1/2"	9 1/2"	44 "
3	4' 8"	15 "	21 "	10 1/2"	72 "
4	5' 0"	16 "	22 1/2"	11 "	85 "
5	5' 3"	17 "	24 "	11 1/2"	90 "
6	5' 9"	20 "	23 1/2"	12 "	125 "

COTTON TRUCK.

NEW YORK BARREL TRUCK.

## COTTON TRUCKS.

COTTON TRUCKS.					List.	Retail.
No. 3.....					\$ 9.00	\$5.40
" 4.....					11.00	6.60
" 5.....					13.50	8.10
	Length of Handles.	Width of Nose.	Width at Upper Bar.	Diam. of Wheels.	Weight in Pounds.	
No. 3.....	4' 10"	15 1/2"	21 "	9 1/4"	74	
" 4.....	5' 0"	16 "	23 "	11 "	104	
" 5.....	5' 3"	18 "	22 "	10 "	95	
" 6.....	5' 9"	20 "	23 1/2"	12 "	125	

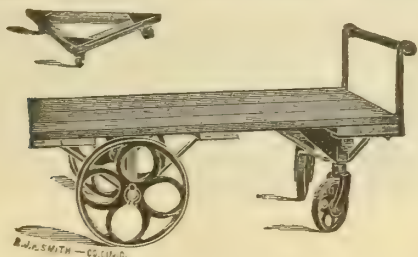
NEW YORK BARREL TRUCKS.

No. 1.	Length of Handles.	Width of Nose.	Width at Upper Bar.	Diam. of Wheels.	Weight in Pounds.
1.	4' 0"	12"	17"	7 "	42
2.	4' 6"	14"	18"	8 "	53
3.	4' 7"	15"	20"	9 "	76
4.	5' 0"	16"	21"	9 1/2 "	95
5.	5' 3"	18"	22"	10 "	125

### DIMENSIONS AND PRICES CAST IRON TRUCK WHEELS.

	Pounds Weight.	Height Inches.	Face Inches.	Hub Inches.	Bore Inches.	Retail Price, Each.	List Price, Each.
No. 0 . . . . .	4½	6½	1½	2½	1½x½	\$ .27	\$ .36
No. 1 and 2 . . . . .	7½	8	2	2½	1½x½	.44	.58
No. 3 . . . . .	12½	9½	2½	3½	1½x1	.76	1.02
No. 4 and 5 . . . . .	17½	11	3	3½	1x1½	1.05	1.40
Heavy . . . . .	25	12	3	3½	1x1½	1.50	2.00

FOUR WHEEL PLATFORM TRUCK.



For Canning House, Railroad Stations and Warehouse, Cheap, strong and well made.

No.	Size. Platform.	Diam. Wheels.	Diam. Castor.	Weight.	List.	Retail.
1-	2x4 feet.....	12 in.	6 in.	120 lbs.	\$20.00	\$15.00
"	21-3x5 feet.....	18 in.	9 in.	200 lbs.	28.00	21.00

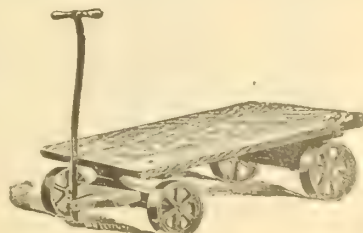
### PLAIN PLATFORM TRUCK.

	Size of Platform.	Weight.	Diam.Wheels.	List.	Retail
No.	82—2 ft. 4 in. by 3 ft. 4 in...	100 lbs.	7½ in.	\$14.00	\$8.00
"	83—2 ft. 6 in. by 3 ft. 6 in...	115 lbs.	7½ in.	15.00	9.00
"	84—3 ft. 6 in. by 4 feet...	125 lbs.	8½ in.	17.00	10.50

We are prepared to quote special prices on Trucks of every description. If you want anything special write us for prices.

CAN FURNISH SPECIAL  
TRUCKS AT LOWEST  
POSSIBLE PRICES.  
ALSO TRUCK  
WHEELS.

Prices on application.



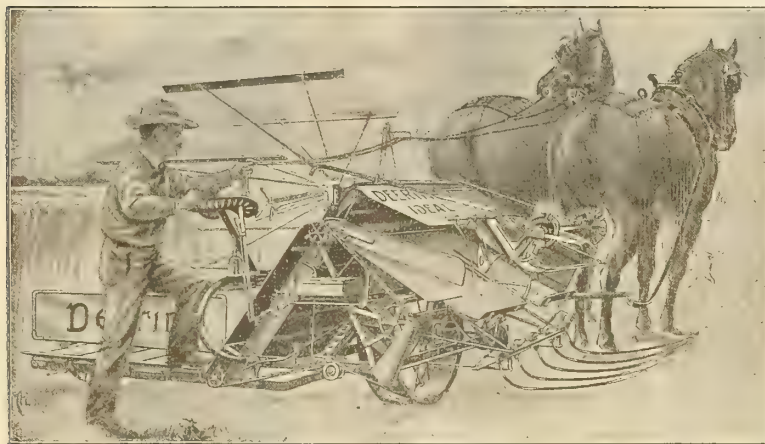
# GRIFFITH & TURNER CO



The Successful Man is he who keeps abreast with the times

## DEERING HARVESTING MACHINERY.

### THE IDEAL BINDER.



DEERING IDEAL BINDER.

No other Binder includes so many and such excellent features in its make-up.

The following are a few of its great points:

Bicycle Bearings, Perfect Tilting Lever, Everlasting Main-Frame, Self-aligning Bushings, Ingenious Canvas-Stretcher, Appleby Binder Attachment, Unfailing Deering Knotter, Economical Bundle-Carrier, Simple, Straight-Stroke Pitman, Successful Double Butt-Adjuster, Convenient, Effective Single-Lever Keel, Drive Chain with Broad-Shouldered Malleable Links, Binder Shifting-Lever that gives ten-inch scope of adjustment, Fewer Sprockets and less Chain than any other Binder.

### Binder Attachment.

A strong feature of this appliance is that one of the packers always precedes the needle to the breast-plate, and the way is cleared at this very important point. Binders having needles working independently of the packers frequently clog between the needle and the breast plate, but the Deering never does, and a most annoying and frequent cause of delay is thus simply done away with.

### IDEAL MOWER.

THE SIMPLEST PITMAN CONNECTION, TWO-PIECE PITMAN SERRATED LEDGER PLATES, A PERFECT SHEAR CUT. ADJUSTABLE DRAG BAR enables the operator to always keep the CUTTER BAR IN PERFECT LINE.

### Removable Bushings Main-Gear.

The main-gear of the Ideal Mower is so constructed that the full capacity of the machine is never used, there being **no lost motion**, and the cogs, pinions and gearing being so nicely and accurately adjusted that the knife starts instantaneously with the first motion of the wheels.

Friction is entirely overcome by the clever use of roller bearings exactly where needed on the main axle and gear-shaft, and all end thrust in gear-shaft is overcome by the use of bicycle ball bearings at the outer end.

### IDEAL CORN BINDER.

#### Points of Excellence.

Binds corn in horizontal position. Shifting binder that really shifts. Improved cutting apparatus, requiring but one-half the power that competitors' machines do.

The drive wheel, having direct connection, imparts motion to all the working parts the instant it starts.

Large space between the deck and the drive wheel.

Horizontal bearings that retain oil.

Bicycle ball and roller bearings at eleven important points.

A thirty-seven inch steel drive wheel that will not slip.

A perfect bundle-carrier.

A butt-adjuster that squares the butts of the bundles.



DEERING IDEAL MOWER

A fly-wheel for preserving steady motion in the cutting apparatus.

A wide frame giving steady motion.

Frame balanced on the main axle, and neck-weight thus avoided.

Tongue connected with main-frame between the wheels in such a manner as to properly balance the machine. No neck-weight. No side-draft.

## Binder Twine, Rope, Oil, Etc.

ON ACCOUNT OF THE GREAT FLUCTUATION OF THE MARKET, WE CANNOT QUOTE PRICES HERE ON TWINE,  
 BUT SAME WILL BE FURNISHED ON APPLICATION.

**W**E are very large dealers in BINDER TWINE, and handle nothing but the best, and are in position to quote in any size quantities. The isolated farmer who buys a bale or less, and the merchant who purchases in carloads or in smaller quantities, will find our figures attractive. We willingly furnish prices on application. It costs but a postal to get this information.

There are many qualities of fibre and twines made from the poorer grades that are flooding the market, all claiming to be the best, and the farmer who buys these goods because he thinks he is saving a few cents on the bale will find his mistake when it is too late to be rectified. These cheaper grades do not run as much to the pound, in length, as the better quality, and in that item alone, if the purchaser considers a moment, he will find in the end that he is paying more for his twine than if he had secured the best.

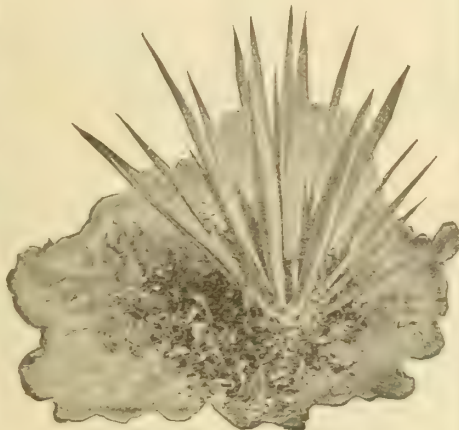
Very frequently it will be found that in the cheaper grades the twine will become kinked, or, in running from the ball, will tangle, and because the twine is not properly hackled and twisted thick spots will occur which prevents an easy flow through the needle, or here and there a thin place; in either emergency the twine will break.

Our twine is properly hackled and twisted, and in consequence we do not have these complaints.

All of these defects cause a delay at a time when the farmer can least afford it. There is always economy in obtaining the best.



MANILA PLANT.

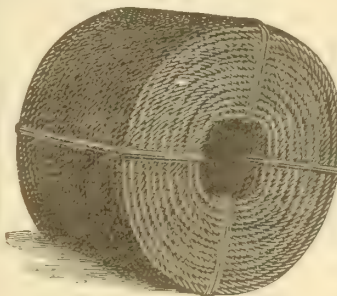


SISAL PLANT.

### Fodder Yarn.

HAVE ALWAYS ON HAND  
 LARGE QUANTITIES  
 OF THE ABOVE.  
 PRICES ON  
 APPLICATION.

### Manila, Sisal and Cotton Rope.



ALWAYS ON HAND THE BEST  
 MANILA, SISAL AND COT-  
 TON ROPE, IN COILS  
 OR BY THE PIECE,  
 AT PRICES CON-  
 SISTENT  
 WITH  
 QUALITY.  
 PRICES ON  
 APPLICATION.

**F**EW farmers seem to realize the importance of securing their Binder Twine early, before the season opens. They can in most every instance save money by so doing, as the price is frequently higher during the harvest season than at any other time.

We make a specialty of Binder Twine and carry a large stock at lowest prices, and can supply in any quantity desired, such as Sisal, Standard, Standard Manila, Manila and Pure Manila. Will be pleased to open correspondence as to kinds and prices.

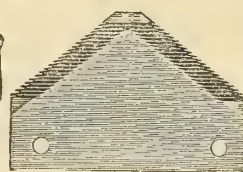
### Deering Harvester Oil

possesses all the elements which fit it for use in harvesting machinery. It is always uniform, unexcelled as a lubricant. It is not a mixture in any sense of the word, being a straight-run product. It can never gum, no matter what the temperature or climate. Its usefulness is not confined to harvesting machinery alone, and thousands of other machines owe their smooth and frictionless action to its use. Dust and grit are much in evidence in the harvest field, and the greater the consistency of an oil the more effective it is in withstanding these evils. Deering Oil will never thicken, even to the very last drop, whether exposed to the air or not. The best testimonial to its worth is, that once used it is always used.

5 gall. can	\$2.50
3 " "	1.10
1 " "	.60

SPECIAL PRICE ON HALF-BARRELS AND BARRELS.



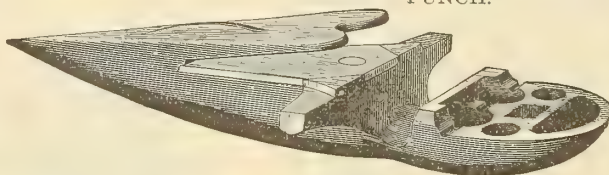


KNIFE HEAD.

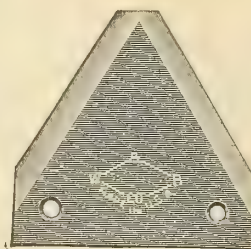
COLD CHISEL.



PUNCH.



GUARD.



SMOOTH SECTION.



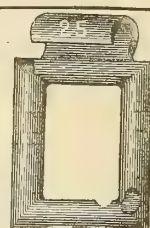
COTTER.



SECTION AND GUARD RIVETS.

For use on Mowers, Reapers, Binders, Corn and Wheat Drills, Corn Shellers, Straw Stackers, Feed Cutters, Traction Engines, etc. Other attachments will be furnished at special prices.

**WE ARE PREPARED TO FURNISH** Binder and Conveyor Canvases for the leading machines at comparatively low prices.



## LINK CHAIN BELTING

**WE ARE HEADQUARTERS for Knives, Sections, Guards, Rivets, Knife Heads, Cotters, Cold Chisels, Steel Punches, etc.,** for all leading machines on the market; also furnish Thresher Teeth, with or without nuts. It is frequently the case that farmers are located where there is no stock of sections, etc., carried. We are headquarters for a full line of these goods, enumerated above and if you will write us for prices, can doubtless supply you with what you need at very low prices. As a rule, the above are not ordered until needed for immediate use. Now if you will only take up the matter with us early in the season we are confident we can save you both money and annoyance. This not only holds good for this class of goods, but Grain Drill Points and Tubes and other extras. Look over your Plows, Cultivators, Grain Drills, Mowers, Binders, Feed Cutters, etc., make out your list and let us have it early.

**BEST GOODS AT LOW PRICES.**—In ordering the above repairs always bring or send the part you wish duplicated, or a drawing, also always give the name of machine and number of part.  
Write us for prices and terms.



It works in angles, corners, and cramped places, where the cold chisel and hammer have been the only recourse. It goes beyond other wrenches in what it will do.

**BOTH JAWS HARDENED.**  
Length, 7 inches.

**WRENCH IS ALL STEEL.**  
Weight, 10 Ounces.

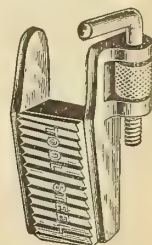
It will fit a pipe up to  $\frac{3}{4}$ -inch, or a nut that is  $1\frac{1}{2}$  inch across. Adjusting to fit the articles you get all the leverage and no ends to interfere. When the toothed jaw is worn out, get a new one for 25 cents; it makes the wrench as good as when you bought it.

**PRICE—75c. Each. For Extra Jaws, 25c. Each.**



	6-in.	8-in.	10-in.	12-in.	15-in.
Retail price, each . . . . .	.25	.35	.40	.50	.75
List price, per dozen . . . .	\$9.00	\$10.00	\$12.00	\$14.00	\$24.00

A detailed technical drawing of a mechanical assembly, possibly a valve or pump component. The drawing shows a cross-section of a housing with a central cavity. Inside, there is a piston or plunger with a textured surface, connected to a lever arm. A spring mechanism is visible, consisting of a coiled spring and a small cylindrical component. The drawing is rendered in a hatched style, typical of technical illustrations.



**W**HEN there is only a little pipe work to do (not enough to warrant buying a pipe wrench) "THE ELGIN" JAW on a Monkey Wrench will do it.

**ANY ORDINARY 10 OR 12-INCH MONKEY WRENCH**  
can be fitted with this device in a second or detached in same  
length of time. It makes a better and more durable pipe wrench  
than you can buy for double the price of an ordinary monkey  
wrench.

TO MANUFACTURERS who have been putting two wrenches or a combination wrench into their tool box equipments,  
**"THE ELGIN" will do the work and SAVE MONEY.**

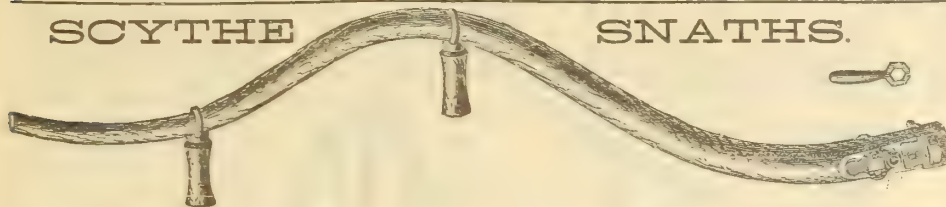
It is particularly attractive to gasoline-launch and gas-engine builders.

**PRICE . . . . . 30c. Each.**  
**Practically Indispensable to Every User of a**  
**Monkey Wrench.**

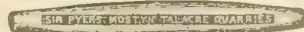
SEE GAS ENGINES, Page 106.

## Scythes, Snaths, Cradles, Etc.

# SNATHS.



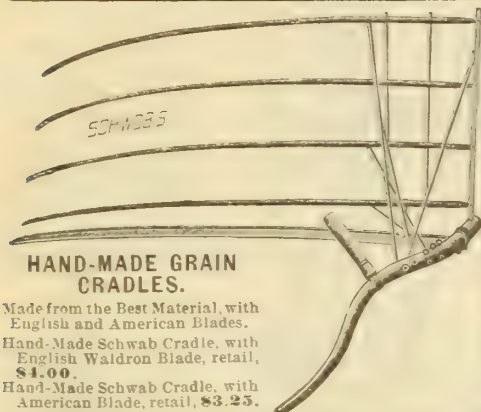
SCYTHE STONES.



Cigar Emery ..... 10c. each.

## FACTORY-MADE CRADLES.

Factory-Made Cradle, American Blade, six fingers, complete with Scythe, \$3.25.

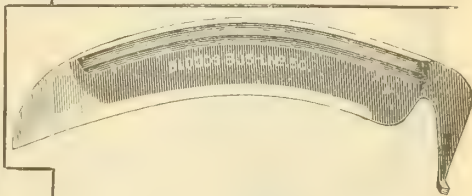
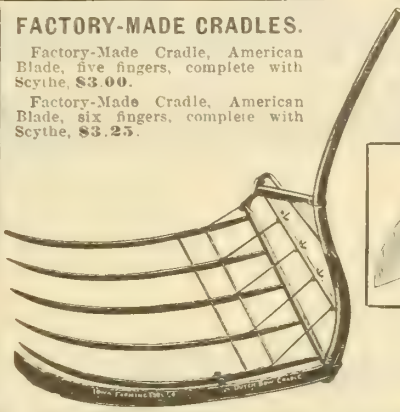


## HAND-MADE GRAIN CRADLES.

Made from the Best Material, with English and American Blades.

Hand-Made Schwab Cradle, with English Waldron Blade, retail, **\$4.00.**

Hand-Made Schwab Cradle, with American Blade, retail, **\$3.25.**



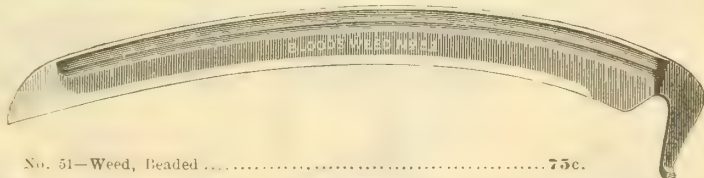
No. 50—Best Bush or Briar, Beaded, American  
Pointed.

Price ..... 75c

## OAT AND BARLEY FORKS.



Price, each.....	65c.
Per dozen.....	\$7.20.

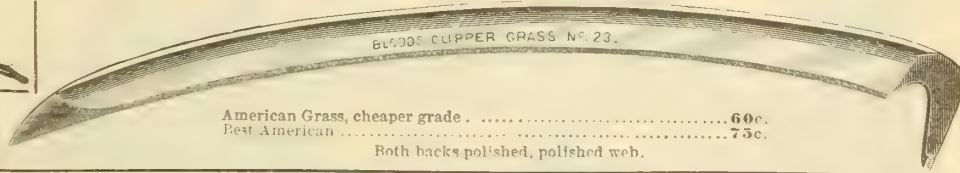


No. 51—Weed, Beaded ..... 75c.

## STABLE FORKS.

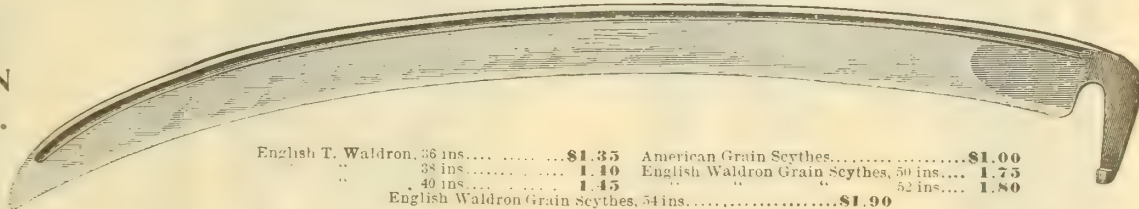


Three-Prong Ash, Bonner.....	50c.
Three-Prong Oak Wood Stable Forks, Bonner .....	60c.
Four-Prong Oak Wood Stable Forks..	75c.



American Grass, cheaper grade . . . . .	60c.
Best American . . . . .	75c.
Both backs polished, polished web.	

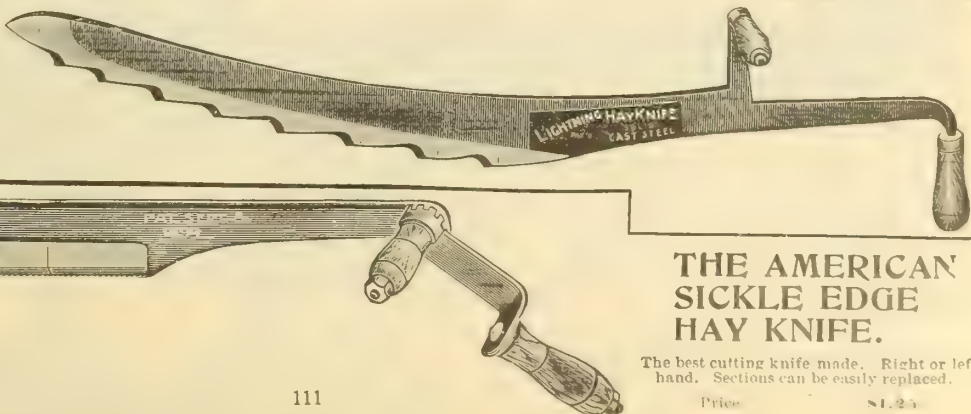
ENGLISH  
WALDRON  
PATTERN.



English T. Waldron, 36 ins.....	<b>\$1.35</b>	American Grain Scythes.....	<b>\$1.00</b>
" 38 ins.....	<b>1.40</b>	English Waldron Grain Scythes, 50 ins....	<b>1.75</b>
" 40 ins.....	<b>1.45</b>	" 52 ins....	<b>1.80</b>
English Waldron Grain Scythes, 54 ins.....	<b>\$1.90</b>		

## LIGHTNING HAY KNIFE.

Price ..... \$1.00



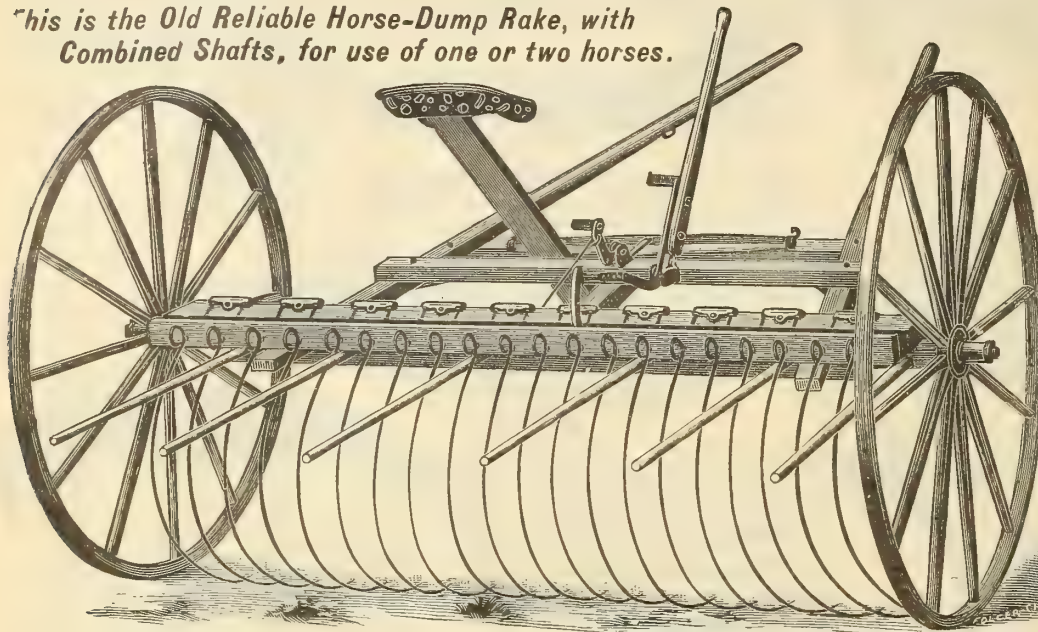
# THE AMERICAN SICKLE EDGE HAY KNIFE.

The best cutting knife made. Right or left hand. Sections can be easily replaced.

Price \$1.25

## **BALTIMORE SELF-DUMP RAKE.**

*"his is the Old Reliable Horse-Dump Rake, with Combined Shafts, for use of one or two horses.*



Made in either Wood or Steel. Disengages noiselessly and without jar or strain. We claim for it greater strength because the parts are united securely to the steel axle and the wood rake head, and because there is less wear and tear than on other rakes. It has steel teeth, made from the best crucible steel, and tempered in oil.

The lever remains stationary when the load is discharged.

PRICE,  
BALTIMORE SELF-DUMP RAKE,  
Wood, - - \$20.00  
Steel, - - 22.00

## **• Baltimore • Hand-Dump Rake**

MADE IN  
EITHER WOOD OR STEEL.

This Rake is made of thoroughly seasoned hardwood. The axle arms are 1 1/2-inch round iron, securely bolted to the wood axle head. It has 20 teeth of spring steel, same as above. Every tooth independent. The seat is adjustable and can be raised or lowered for man or boy.

The Steel Hand-Dump Rake is similar in all respects excepting in material used.

PRICE,  
BALTIMORE HAND-DUMP RAKE  
Wood, - - \$16.00  
Steel, - - 18.00

## **Hay Tedder Forks**

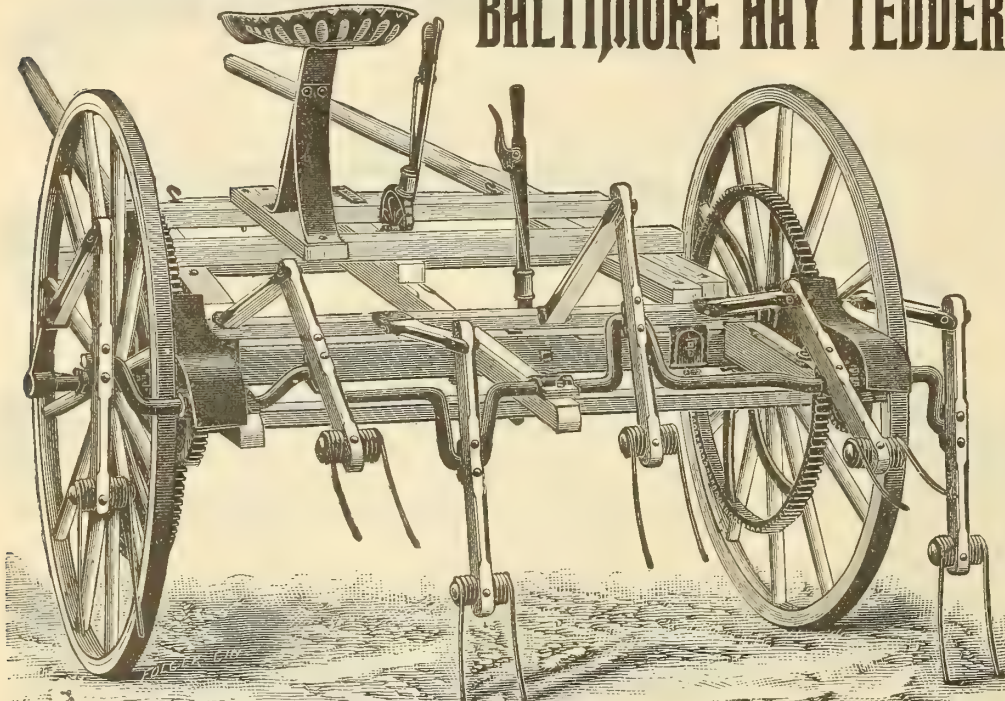


Always on hand, stock of Forks for leading styles of Hay Tedders.

Price, - 25 cts.  
SPECIAL PRICES IN QUANTITIES.

MADE IN EITHER WOOD OR STEEL.

## **BALTIMORE HAY TEDDERS.**



### **The Best Wood Frame Tedder for Heavy Grass or Fallen Grain.**

Combination shafts and tongue, without side fork and shields over gearing. The Baltimore has new bent shifting lever which makes a complete lock. Also is provided with a most comfortable spring seat, levers for raising and lowering, and throwing in or out of gear, within easy reach of the driver. Combined pole and shafts, quickly and easily changed from a one to a two-horse machine.

The Ground Wheels are closer together than on most Tedders. The outside forks kick the hay up loose after the wheels pass over it. Forks are made of crucible steel, oil tempered. One of the simplest and most comprehensive Tedders on the market.

PRICE:  
BALTIMORE TEDDER, Wood, : : : : \$29.00  
" " Steel, : : : : 32.00

### **RAKE**

### **TEETH**

For all Leading Rakes.

In ordering, either send old tooth or exact drawing and avoid errors.

Price, 25c.

SPECIAL PRICES ON ABOVE RAKES AND TEDDERS FOR CASH.

## **Maryland Rakes and Tedders.**

Made in both WOOD and STEEL. Full line of regular sizes, similar in quality and construction to BALTIMORE

Maryland Self Dump, Wood Steel ..... \$20.00 Maryland Hand Dump, Wood Steel ..... \$16.00 \$22.00 \$18.00

SPECIAL PRICES FOR CASH.

In addition to regular sizes, we carry the MARYLAND SELF-DUMP Steel Rakes. 10 1/2 feet, with 26 teeth—Price, \$24.00.

## **THOMAS RAKES AND TEDDERS.**

### **GENUINE THOMAS HAND DUMP RAKE.**

This Rake has long been known in the agricultural world as one of the best Rakes made.

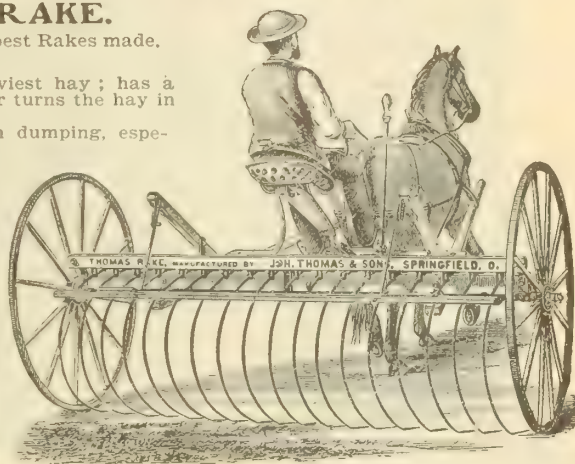
#### **POINTS OF MERIT.**

It rarely requires any repairs; will rake corn stalks, as well as the heaviest hay; has a long and good spring over each tooth; an overhanging cleaner with roller turns the hay in dumping and brings green hay on top.

In other styles, the Rake Head is bolted firmly to the axle, and when dumping, especially on hillsides, the binding of the wheel on the axle causes greater friction and hard work to the operator. In this Rake the head turns on the axle, which extends beyond and is bolted to the shafts, so that in dumping the wheel is allowed to turn easily. The effect of the adjustment of the seat attachment is threefold—first, the weight of the operator assists in dumping; secondly, prevents the sudden hard fall and consequent breakage of teeth and jarring to machinery; thirdly, the teeth will not rebound.

PRICE ..... \$18.00.

Special Price for Cash.



### **NEW STEEL BARN-DOOR TRACK.**

This Track is made of Special Carbon Open Hearth Steel, 1x3-16 stock, and has heavy brackets well and substantially riveted to it at every 12 inches. The ends are made with tongue and groove to match. The track is made in 4, 6, 8 and 10-foot lengths. It is easily erected, and requires no roofing or covering of any kind. Price, per 100 feet ..... \$5.00.

### **Ney Anti-Friction Barn-Door Hanger No. 2.**

This hanger is anti-friction, containing roller bearings, which cause the wheel to roll easily and prevent wear. The frame is made of special open hearth steel, and the strength is fully sufficient for the heaviest doors, and has hood protecting the wheel from snow and ice. The wheel is 4 inches in diameter, and of standard tracks. Price, per pair ..... 75c.

#### **Barn-door Hanger No. 2.**

diameter, and of standard tracks. Price, per pair ..... 75c.

#### **THE CANTON HOIST.**

Can be used to advantage in factories of all kinds, foundries, quarries, mills and warehouses, also by contractors, stone masons, carpenters and all classes of mechanics, as well as farmers. They are indispensable on the farm.

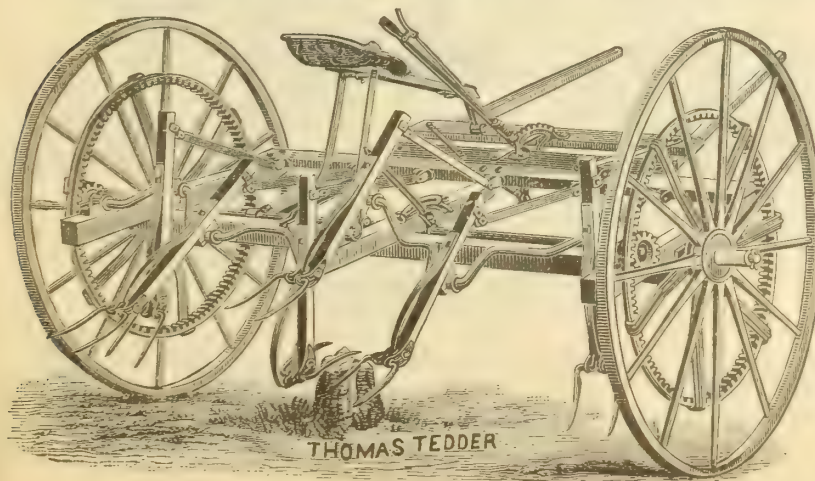
Special farm size, No. 37, capacity, 800 lbs.; one man can lift 400 lbs. Price—List, \$4.00. Retail, \$3.00.

### **STAY ROLLERS.**

For Use on Barn Door Hangers.

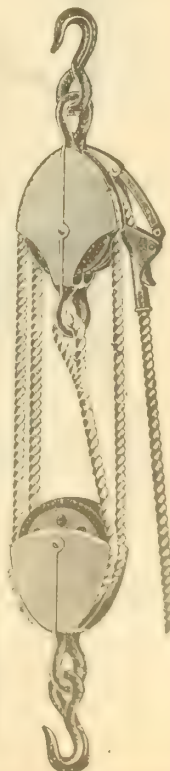
PRICE, Each, 10c.

## **GENUINE THOMAS TEDDER.**



On this Tedder is used a continuous heavy steel axle. Wheels have lugs to prevent slipping, and tires are bolted on. Lever for throwing in and out of gear is in the centre of Tedder, and operator can work it from his seat. Big cog wheels fastened securely to the nut of ground wheel and not bolted to the spokes. Driver's weight rests on axle, and not on horse's neck. A spring on front frame piece to relieve the whole frame should it run against an obstruction. Steel cranks are used; smooth at all the journals and bearings, reducing wear and friction to a minimum. A regular pitchfork style of kicker is used. Fork spring is of steel.

This machine is built in a most substantial manner, and of the very finest and strongest material, and will properly handle the heaviest hay. All the kickers are between the wheels. Price, \$32.00. Special Price for Cash.



## **Fodder and Ensilage Cutter and Shredder Department.**



THIS CUT SHOWS A FIELD OF ENSILAGE.

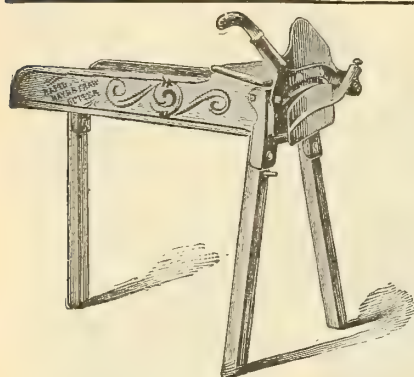


FIG. 778.

### **Maryland LEVER CUTTER**

**Strong, Cheap  
and Durable.**

11 inch knife; weight, K. D., 55  
pounds..... **\$3.50.**

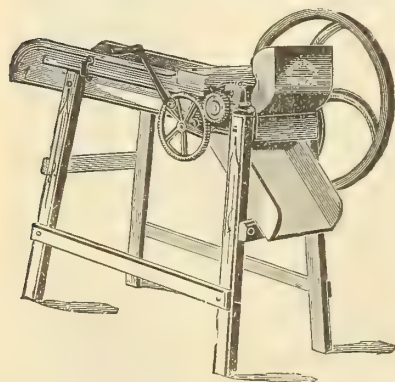


FIG. 783.

### **OUR BALTIMORE Pony Cutter.**

Adapted to cutting hay, straw  
and corn fodder, and is suitable  
for persons keeping from one to  
four or five animals.

Weight, K. D., packed for ship-  
ment, 160 pounds.

One knife, 11¼ inches long.

**RETAIL PRICE.....\$10.00.**

**Special Discount for Cash.**

**WE DESIRE TO CALL SPECIAL ATTENTION TO SILOS ON PAGE 121.**

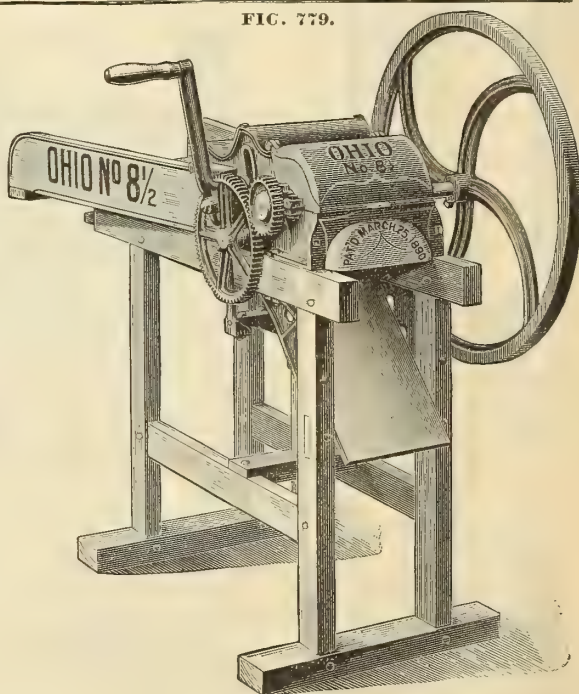


FIG. 779.

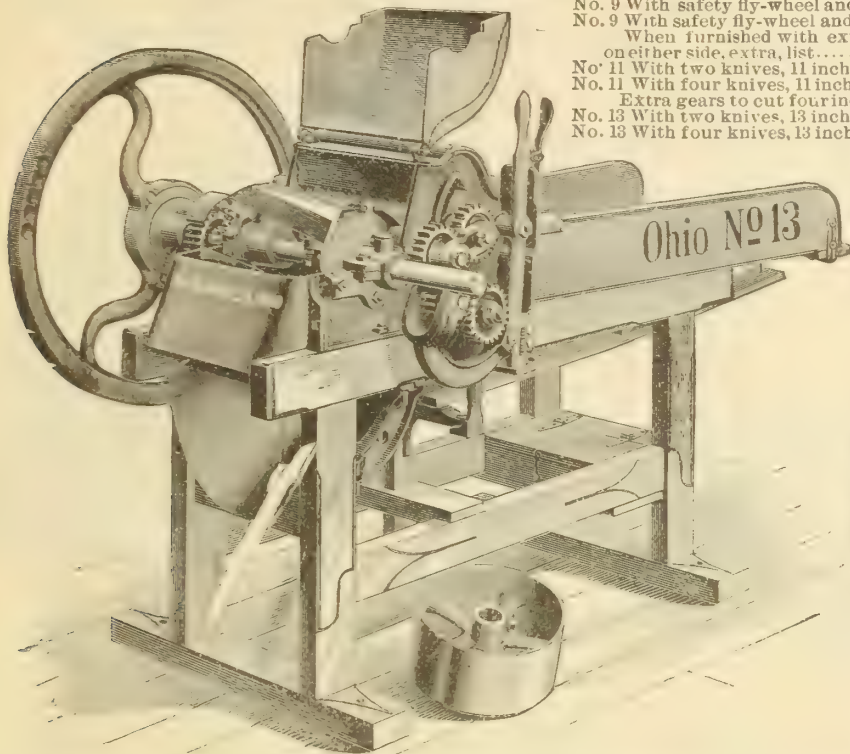
### **"Ohio" Hand Feed Cutter.**

No.	Length of Knives, Inches.	Number of Knives.	Length of Cut, Inches.	Price.
8½	8½	2	¼, ⅜, ¾,	\$20.00
10½	10½	2	¼, ⅜, ¾,	25.00

**Less 30 per cent. retail.**

## **FODDER AND ENSILAGE CUTTERS AND SHREDDERS.—CONTINUED.**

### **“Ohio” Standard Feed and Ensilage Cutters.**



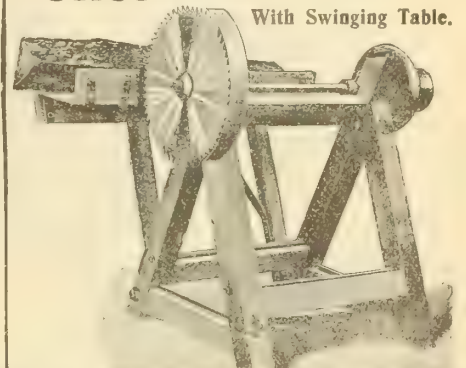
No. 9 With safety fly-wheel and pulley; two knives,...	\$35.00
No. 9 With safety fly-wheel and pulley, four knives.....	40.00
When furnished with extended knife shaft to place fly-wheel or pulley on either side, extra, list.....	2.00
No. 11 With two knives, 11 inches long, four lengths cut.....	40.00
No. 11 With four knives, 11 inches long, four lengths cut.....	45.00
Extra gears to cut four inches long.....	3.00
No. 13 With two knives, 13 inches long, four lengths cut.....	60.00
No. 13 With four knives, 13 inches long, four lengths cut.....	65.00
Extra gears to cut four inches long, with two knives.....	4.00
No. 16 With four knives, 16 inches long, four lengths cut.....	90.00
Extra gears to cut four inches long with two knives.....	4.00
No. 18 With four knives, 18 inches long, four lengths cut.....	120.00
Extra gears to cut four inches long, with two knives.....	4.00

THE LENGTH OF THE KNIVES IS INDICATED BY THE NUMBER OF MACHINE.

All Less 30 per cent. Retail.

### **CIRCULAR SAW**

With Swinging Table.



Farmers and others who use saws can at once appreciate the great convenience of this machine. It has a swing table, which is the best style for cutting cordwood. One man can do the work with this saw as readily as two men on the regular style. In this machine the draft is direct from the power to the saw, consequently it takes less power to drive it. We carry only 20 inch saw. If larger is wanted so state in the order.

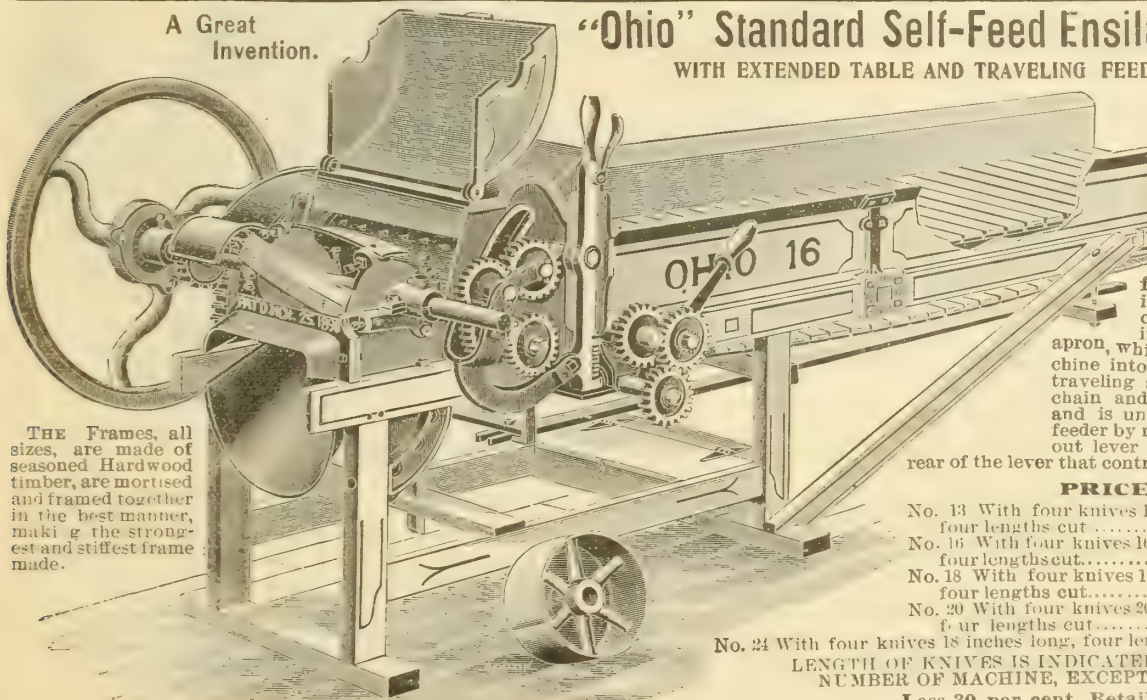
List Price with 20-inch saw..... \$40.00.

Write for Special Discounts.

A Great  
Invention.

### **“Ohio” Standard Self-Feed Ensilage Cutter.**

WITH EXTENDED TABLE AND TRAVELING FEED APRON.



THE Frames, all sizes, are made of seasoned Hardwood timber, are mortised and framed together in the best manner, making the strongest and stiffest frame made.

THE design of this machine is the same as the regular Nos. 11, 13, 16 and 18. It differs in respect to the feed table, which in this machine is extended out to a total length of eight feet. The feed table is supplied with a continuous traveling chain, belt or apron, which converts the machine into a self-feeder. The traveling apron is driven by chain and sprocket wheels, and is under control of the feeder by means of the throw-out lever located just in the rear of the lever that controls the feed rolls.

#### **PRICES.**

No. 13 With four knives 13 inches long, four lengths cut.....	\$95.00
No. 16 With four knives 16 inches long, four lengths cut.....	120.00
No. 18 With four knives 18 inches long, four lengths cut.....	155.00
No. 20 With four knives 20 inches long, four lengths cut.....	250.00
No. 24 With four knives 24 inches long, four lengths cut.....	300.00

LENGTH OF KNIVES IS INDICATED BY THE NUMBER OF MACHINE, EXCEPT NO. 24.

Less 30 per cent. Retail.

Power and speed required to run the various Ensilage Machines.

No. 9, 1-H. P., Speed ... 300 to 600 revolutions.
No. 11, 1 to 2-H. P., Speed 300 to 600
No. 13, 2 to 4-H. P., " 450 to 600
No. 16, 2 to 4-H. P., " 450 to 600

<b>BLOWERS.</b>
No. 13, 6 to 8-H. P. .... Speed 300 revolutions.
Nos. 16 or 18, 10-H. P. .... Speed 600 revolutions.

<b>CARRIERS.</b>
No. 13, 4 to 6-H. P. { Speed 450 to 600 revolutions.
No. 16, 6 to 8-H. P. {
No. 18, 6 to 10-H. P. }

The power here given on carriers is applicable when cutting green Ensilage. Power for Shredders should be double that of Nos. 13, 16 and 18 plain.

## **"OHIO" SELF-FEED ENSILAGE CUTTER** **AND NEW METAL BUCKET SWIVEL CARRIER.**

### **The "Ohio" Dry Fodder Shredder Complete.**

**T**HE Shredder Cylinders are for dry corn fodder. We can furnish Shredder Cylinders for "Ohio" Cutters Nos. 11, 13, 16, 18, 20 and 24. The Shredder head can be removed and the knife cylinder attached instead, in case the machine is wanted for hay or ensilage cutting. In order to reap the best results in shredding, the machine must be speeded up to 1000 or 1200 revolutions per minute; for that reason we use the fly-wheel seen in the cut, instead of the open wheel in the Ohio Cutter. Prices:  
 No. 11—With Solid Fly-Wheel and Six-inch Pulley . . . . . \$45.00  
 No. 13—With Solid Fly-Wheel and Six-inch Pulley . . . . . 65.00  
 No. 16—With Solid Fly-Wheel and Six-inch Pulley . . . . . 90.00  
 No. 18—With Solid Fly-Wheel and Six-inch Pulley . . . . . 120.00  
 No. 20—With Regular Fly-Wheel, Small Pulley. . . . . 200.00  
 No. 24—With Regular Fly-Wheel, Small Pulley. . . . . 250.00

#### **SHREDDER CYLINDERS ONLY.**

For No. 11, including Fly-Wheel and Pulley . . . . . \$25.00  
 For No. 13, including Fly-Wheel and Pulley . . . . . 28.00  
 For No. 16, including Fly-Wheel and Pulley . . . . . 30.00  
 For No. 18, including Fly-Wheel and Pulley . . . . . 32.00  
 For No. 20, including Pulley, no Fly-Wheel. . . . . 50.00  
 For No. 24, including Pulley, no Fly-Wheel. . . . . 55.00

Less 30 Per Cent. Retail.

#### **PRICE LIST OF CARRIERS.**

Swivel carrier, 12 feet long, for Nos. 13, 16 or 18 Cutters . . \$45.00  
 Extra length, per foot, for Nos. 13, 16 or 18 Cutters . . . 1.70  
 Wood cover, with hooks and eyes to fasten, for Nos. 13, 16 or 18 Cutters, per foot . . . . . 25  
 12-foot swivel carrier for No. 20 . . . . . 55.00  
 12-foot swivel carrier for No. 24 . . . . . 60.00  
 Additional length, either style carrier, No. 20, per foot . . 2.25  
 Additional length, either style carrier, No. 24, per foot . . 2.25  
 Wood cover, with hooks and eyes to fasten, No. 20, per foot . 35  
 Wood cover, with hooks and eyes to fasten, No. 24, per foot . 35  
 Reversible carrier, straight delivery, 12 feet long or less, for No. 11 Cutter . . . . . 33.75  
 Straight-delivery carrier, without reversible attachments. . 30.25  
 Additional length over 12 feet, extra per foot . . . . . 1.70  
 Straight carrier, 12 feet long, for Nos. 13, 16 and 18 Cutters . 33.50  
 Carrier, extra, over 12 feet long, per foot . . . . . 25  
 Wood cover, with hooks and eyes to fasten, per foot . . . 40.00  
 Straight carrier, 12 feet long, for No. 20 Cutter . . . . . 45.00  
 Straight carrier, 12 feet long, for No. 24 Cutter . . . . . 45.00  
 Additional length, either style carrier, No. 20, per foot . . 2.25  
 Additional length, either style carrier, No. 24, per foot . . 2.25  
 Wood cover, with hooks and eyes to fasten, No. 20, per foot . 35  
 Wood cover, with hooks and eyes to fasten, No. 24, per foot . 35  
 Less 30 Per Cent. Retail.

### **A SUCCESSFUL BLOWER ELEVATOR FOR THE STANDARD CUTTERS.**

**T**HE cut clearly outlines a new Blower or Wind Elevator in connection with the "Ohio" Standard Self-Feed Ensilage Cutter, and one that is adapted for use with the three sizes, Nos. 13, 16 and 18. The blower is wide and stands 5½ feet in diameter, which gives ample capacity to carry away and elevate the cut ensilage as fast as these large capacity cutters will cut it.

#### **CAPACITY.**

No. 13, 8 to 12 tons; No. 16, 12 to 15 tons; and No. 18, 14 to 20 tons of ensilage per hour. These three machines will cut all kinds of dry feed, and with blower elevator and pipe can be conveyed to any part of the barn.

#### **SIZE OF PULLEY, POWER, SPEED AND WEIGHT.**

The pulley is 14x6-inch face and is leather-covered. Power, 6 to 8-horse for No. 13 and 10-horse engine for Nos. 16 or 18. Speed, 600 revolutions per minute. Weight of No. 13, 850 pounds; No. 16, 925 pounds; No. 18, 965 pounds. Blower and fan wings, 450 pounds; pipe, about 4 pounds per foot.

#### **PRICE LIST OF CUTTERS, WITH BLOWER ATTACHMENT.**

No. 13 Cutter, with four 13-inch knives, cuts ½, ¾ and 1 in. \$95.00  
 No. 16 Cutter, with four 16-inch knives, cuts ½, ¾ and 1 in. 120.00  
 No. 18 Cutter, with four 18-inch knives, cuts ½, ¾ and 1 in. 155.00  
 Extra gears which will cut 4 inches long with two knives . 4.00  
 Blower, complete, with 2-foot hood for top of pipe . . . . 75.00  
 8-inch galvanized pipe in 4, 6 and 10-foot lengths for No. 13, per foot . . . . . .80  
 10-inch galvanized pipe in 4, 6, 8 and 10-foot lengths for No. 16 or No. 18, per foot . . . . . 1.00  
 Less 30 Per Cent. Retail.

**POWER AND SPEED.**—Owing to the high speed of the fan, it requires a little more power than cutter and carrier, and to be on the safe side, we recommend not less than 10 H. P. engine, and to run the cutter between 800 and 900 revolutions per minute, giving the fan a speed of 2,000 to 2,500 revolutions, which will elevate all kinds of dry feed, ensilage, or water a perpendicular height of 40 feet or more.

**DO NOT OVERCROWD THE MACHINE,** as that will prevent the free passage of the material. For further information on these carriers and blowers, send for our "Ohio" catalogue, free.

**ALL KINDS OF MACHINERY REPAIRED.**

**T**HE advantages of the swivel carrier over the former pattern reversible carrier are: First, that in addition to being able to set right, left or straight, it can be set at any angle; second, the mechanical parts that convert the power from machine to carrier are properly mounted in a closed iron case, which causes them to run with the least friction, and, most important, keeps out the dirt and grit; third, it is very much easier to set up and to move about.

**Two or More Silos May be Filled Without Moving Cutter.** By being able to set this carrier at any angle two or more silos may be reached without necessity of moving the cutter. Parties make best use of this by giving it attention when locating silos.

Swivel carriers are made for Nos. 15, 16, 18, 20 and 24 Cutters.

**Instructions for Setting Up Carriers.** To set up, place the square flange on inside of carrier base against foot of cutter and connect up the drive chain. Locate the lower end of carrier with the hubs of the bearings resting in the forks of the base. After the sections of the carrier are connected up put a light rope inside its entire length, then elevate it and secure to place, arranging so it will reach into the silo 1 or 2 feet. A light block and tackle is usually used to elevate it. Next draw the chain up by means of the light rope; and connect up.

**Bearings Should be Oiled With Good Oil.** Oil cups and oil holes are provided for all bearings, and the machine must be carefully and frequently oiled with good quality machine oil at the start. Care should be exercised to keep the bearings lubricated at all times.

#### **PRICE LIST OF ENSILAGE CUTTERS.**

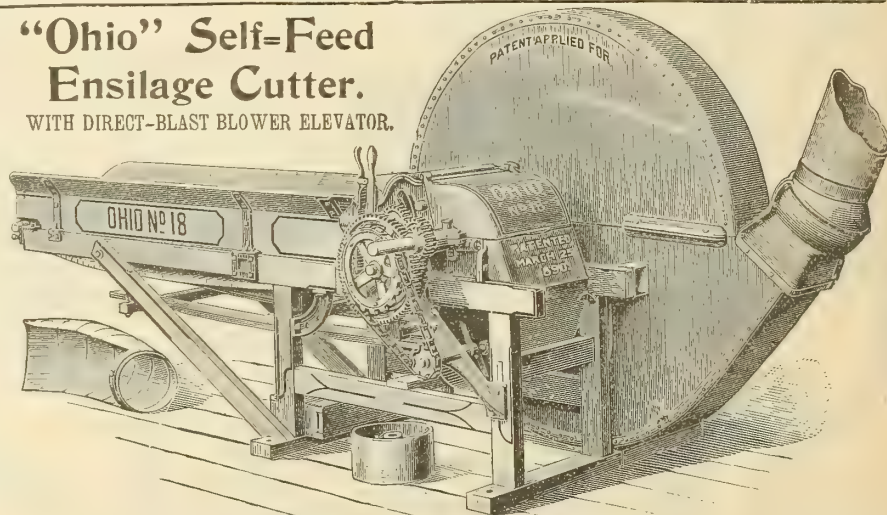
Size	Knives	Lengths of Cut.	Capacity Ensilage	Power Necessary to Run to Full Capacity.	Price
No. 13	Four 13-in.	¼, ½, ¾, 1 in.	5 to 8	4 to 6	\$ 95 00
No. 16	Four 16-in.	¼, ½, ¾, 1 in.	8 to 10	6 to 8	120 00
No. 18	Four 18-in.	¼, ½, ¾, 1 in.	10 to 13	6 to 10	155 00
No. 20	Four 20-in.	¼, ½, ¾, 1 in.	15 to 20	8 to 12	250 00
No. 24	Four 24-in.	¼, ½, ¾, 1 in.	20 to 25	10 to 12	300 00

Extra gears to cut 4 inches long, Nos. 13, 16 or 18 . . . . . \$4.00  
 Extra gears to cut 4 inches long, Nos. 20 or 24 . . . . . 6.50

Less 30 Per Cent. Retail.

**Weights.**—No. 13, 775 pounds; No. 16, 835 pounds; No. 18, 875 pounds; No. 20, 1585 pounds; No. 24, 1685 pounds.

## **"Ohio" Self-Feed Ensilage Cutter.** **WITH DIRECT-BLAST BLOWER ELEVATOR.**



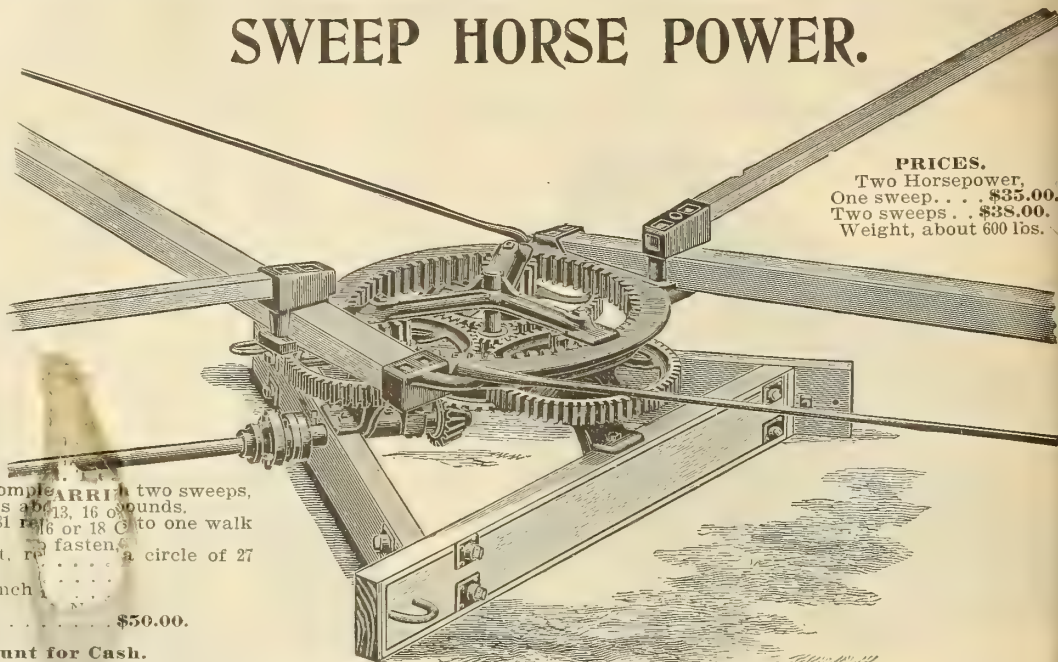
#### **THE BLOWER ELEVATOR AND WHAT IT WILL DO.**

**T**HE BLOWER ELEVATOR is a new feature and what is presented here is the result of 12 months' successful experiments. By test the No. 18 Cutter and Blower cut and elevated into a 30-foot silo one ton of ensilage in 2½ minutes, which is equal to 24 tons per hour, and it will do it continually if the corn can be gotten to it. The fan is very large and has abundant capacity to handle the ensilage; it is guaranteed to elevate it into silos 30 to 40 feet high and will do more.



A perfect working, triple-gear power; furnished with 20, 22 or 24-inch pulley, with 5½-inch fall, complete with sweeps, lead bars and draw rods. On two-horsepowers the tumbling rod makes 58 revolutions to one turn of the horses, or a speed of 200 revolutions per minute. Weight, about 600 pounds.

## **SWEEP HORSE POWER.**



**PRICES.**  
Two Horsepower, One sweep... **\$35.00.**  
Two sweeps... **\$38.00.**  
Weight, about 600 lbs.

### **Four Horse Sweep Power.**

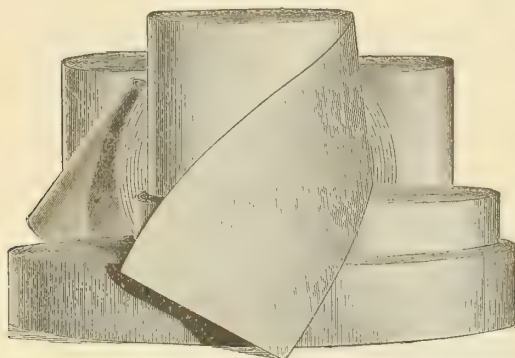
Weight of power when complete with two sweeps, tumbling rod and pulley, is about 13, 16 or 18 cwt. Speed of tumbling rod—81 or 16 or 18 cwt. to one walk of horses. Length of sweep, 12 feet, radius of a circle of 27 feet diameter. Furnished with 20 or 24-inch pulley.

**PRICE . . . . . \$50.00.**

**Special Discount for Cash.**

## **RUBBER BELTING,**

For Agricultural and Other Machinery.



We can furnish a full line of this fine Rubber Belting, but only carry in stock the following sizes:

	List. Per Foot.	Retail. Per Foot.
3-inch, 3-ply . . . . .	26c.	12c.
4-inch, 4-ply . . . . .	42c.	19c.
5-inch, 3-ply . . . . .	43c.	20c.
5-inch, 4-ply . . . . .	52c.	24c.

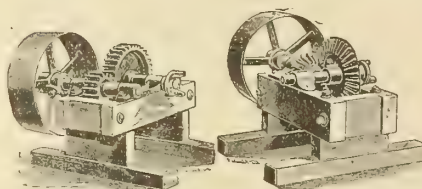
**Special Prices for Cash.**

**LACING FOR BELTING.**

¾-inch . . . . .	1½c. per foot.	½-inch . . . . .	2c. per foot.
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**Special Prices in Quantities.**

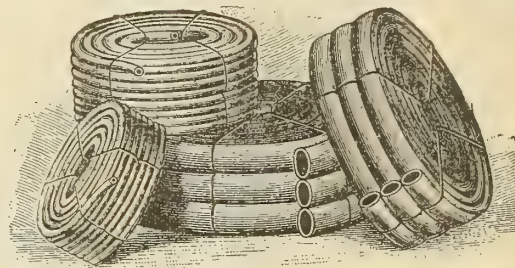
## **SPUR AND BEVEL GEAR JACKS.**



This machine is intended to increase speed and transmit power by belt. The spur gear transmits the motion at a right angle with the tumbling rod, and the bevel gear transmits it in a line with tumbling rod.

**PRICE . . . . . \$10.00.**  
**Special Discount for Cash.**

## **RUBBER HOSE.**



### **TRIX—3-PLY ¾-INCH HOSE.**

This is a moderate-pressure Hose, and for the purpose for which it is intended is one of the best on the market, and will give satisfaction.

**PRICE . . . . . 8c. per foot.**

### **ORIOLE—3-PLY ¾-INCH HOSE.**

A good general-purpose Hose, but a grade better than the above. Will stand a good strong pressure.

**PRICE . . . . . 10c. per foot.**

### **G. & T. EXTRA—3-PLY ¾-INCH HOSE.**

As its name implies, this is an extra quality and will stand a strong pressure. A general favorite with florists and gardeners.

**PRICE . . . . . 12c. per foot.**

### **CREST—4-PLY ¾-INCH HOSE.**

This is strictly a first-class Hose, and is made to stand a high pressure.

**PRICE . . . . . 15c. per foot.**

### **GRIFFITH—5-PLY ¾-INCH HOSE.**

This is the best Hose we handle. It is made from high-grade material.

**PRICE . . . . . 16c. per foot.**



## **Agricultural Suction Hose.**

Specially designed for use on our Faultless Low-Down Force Tank Pumps, see page 134. This hose is composed of good rubber on the exterior; the interior having a galvanized, flat spiral wire to give the hose the required rigidity, and prevent it from collapsing. The ends, for about 6 inches, are of soft rubber, without the wire, for the purpose of enabling the operator to fasten securely together. Made in two 10-foot sections. This hose is used for all suction purposes, such as draining cellars, cisterns, etc.

**PLAIN BORE, GALVANIZED, FLAT SPIRAL WIRE.**  
**40c. per foot.**

## GRIFFITH & TURNER POWER GRINDER.

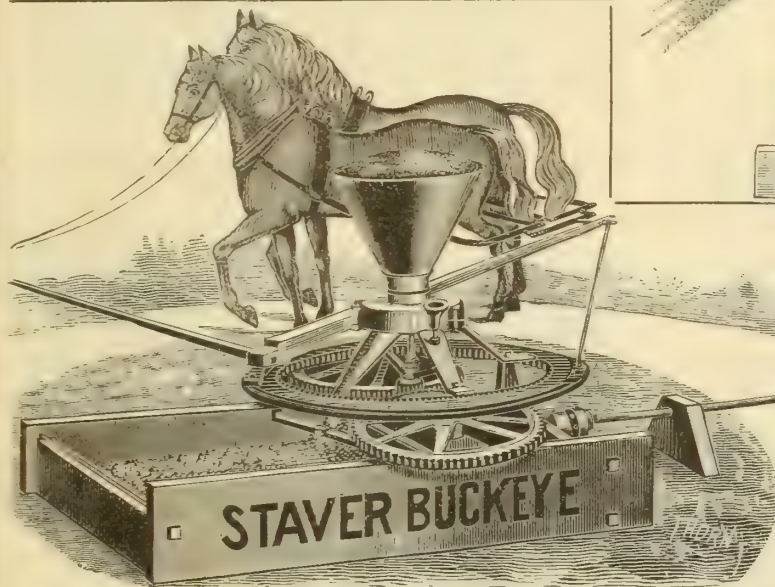
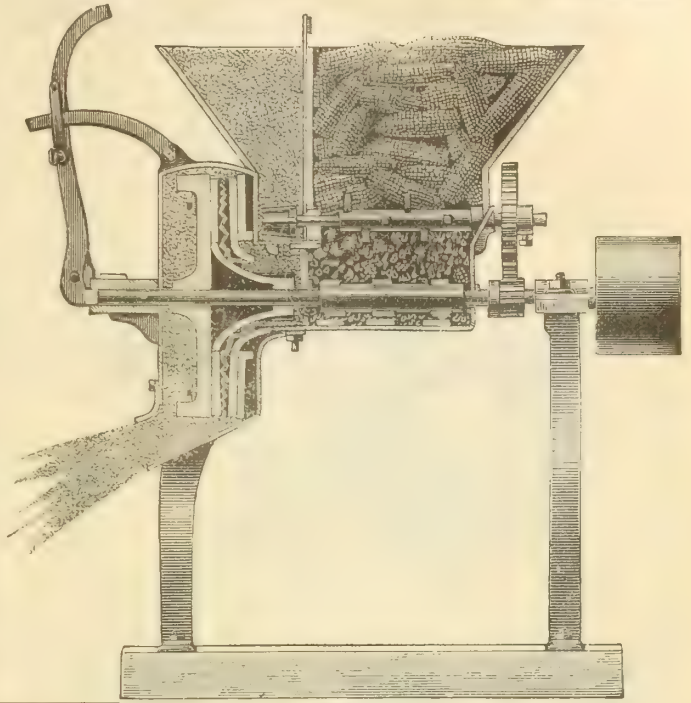
**No. 2, Large Grinder.**—Burs 14 inches in diameter. Capacity 30 to 50 bushels per hour, requiring 12 to 16 horse-power. Engine should be run 500 to 1200 revolutions per minute. Weight, 450 pounds. **\$15.00**  
**No. 1, Medium Grinder.**—Burs 12 inches in diameter. Capacity 20 to 40 bushels per hour, requiring 8 to 10 horse-power. Engine should be run 500 to 1200 revolutions per minute. Weight, 400 pounds. **\$10.00**

**Special Discount for Cash.**

**The Only Mill that can be set to Regulate and Grind Successfully Ear Corn and Small Grain both at the Same Time.**

No mill is complete without this desirable feature. This is accomplished by having a partition in the hopper and a feeding arrangement for each side. The main shaft is made of cold rolled steel, with good long bearings filled with an extra grade of Babbit metal. The two bearings are cast in one solid piece on the main frame, thus making it impossible for the bearings to get out of line. The shaft is carefully balanced after the fly-wheel and plate are attached, making a steady and light-running mill.

The grinding plates are made of chilled metal and steel mixed, and have the teeth shaped to give the best possible results for light draft and for not beating the meal. An extra set of grinding plates free with each Power Mill. The fly-wheel is enclosed inside the mill, just where it is most needed, and out of the way. They are well made throughout and equal to anything in the market.



## No. 5 Staver Buckeye Cob Mill and Power Combined.

**FOR GRINDING EAR CORN OR SMALL GRAIN.**

1. A rapid-grinding Corn and Cob Mill.
2. A mill that grinds fine either Ear Corn or Small Grains without change of plates.
3. A Cob Mill, a Mill for Small Grain, and a good Two-Horse Power combined in one light-running machine.

This mill has been thoroughly tested, and never fails to give satisfaction.

**Price, - \$55.00. Less Special Discount for Cash.**

**For Extra Sweep, \$4.00.**

## New Model Sweep Grinder.

**Capacity under Ordinary Conditions, 5 to 8 bus. per Hour, Requiring 1 to 2 Horses. Weight, 400 lbs.**

### EVERY MILL GUARANTEED.

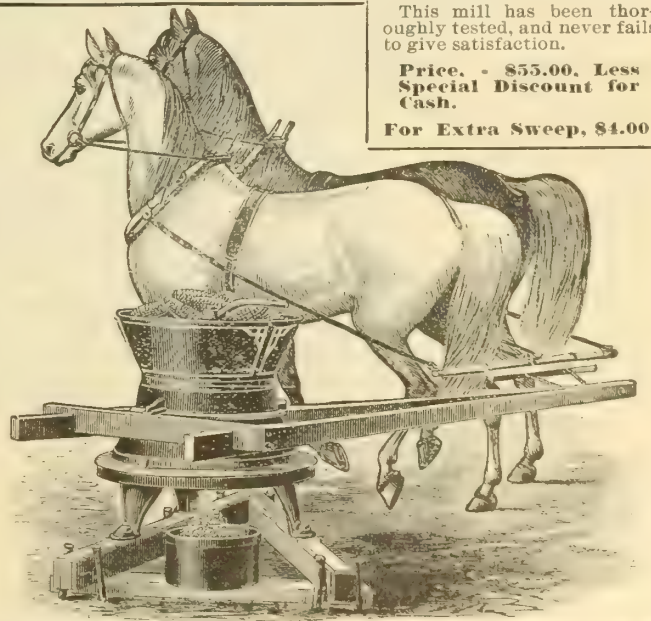
**These Mills will Grind all Kinds of Grain as well as Corn with Cob, Oats, Rye, etc., Mixed.**

The Grinding Rings are Made from Specially Prepared Hard White Metal, and will Grind Thousands of Bushels Without Replacing.

**Every Farmer His Own Miller—Saves Your Time and Tollage—Saves its Cost in One Year—Grinds either with Cob or without Cob—The Mill will last a Life Time—No Farmer can Afford to do without One.**

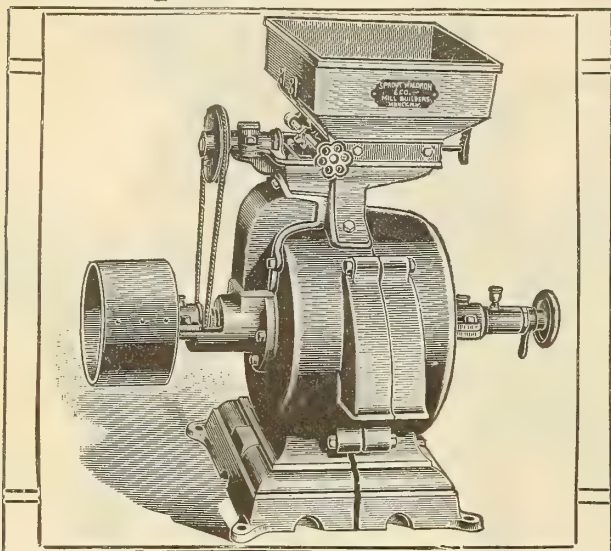
We have two sets of patterns of grinding rings or concaves for the New Model Mill—one set for fine grinding and one set for coarser. and when not specified in order, we furnish one fine and one coarse in mill, which grinds the meal medium fine and gives general satisfaction. However, when grinding meal for table use, two fine concaves are used, and when grinding for sheep or horses, two coarse concaves give best results, as they grind faster, but not as fine. The concaves are easily changed; only one set are furnished, unless otherwise ordered, and at an additional cost.

**Price, - \$20.00. Special Discount for Cash.**



**ALL KINDS OF MACHINERY REPAIRED.**

## The Sprout Waldron Vertical French Burr Mill.



of shaft, 13 inches; floor space base occupies, 20x39 inches; driving pulley, 8 inches diameter, 5 inches face, covered with leather. Weight, 500 pounds.

**Speed, Capacity, Etc.**—1,000 to 1,200 revolutions per minute. Capacity, 5 to 7 bushels of table meal, 12 to 15 bushels feed meal, per hour. Power required, 4 to 6 horsepower.

**PRICE**—List, \$125.00. Retail, \$67.50.

### Sixteen-inch Monarch Standard French Burr Mill.

**Dimensions.**—Length over all, 56 inches; width over all, 25 inches; height over all, 39 inches; distance from floor to centre of shaft, 15 inches; floor space base occupies 22x45 inches; driving pulley, 10 inches diameter, 6 inches face; covered with leather. Weight, 800 pounds.

**Speed, Capacity, Etc.**—1,000 revolutions per minute. Capacity—10 to 12 bushels fine table meal, 20 to 25 bushels feed meal, per hour. Power required, 6 to 10 horsepower.

**PRICE**—List, \$180.00. Retail, \$97.25.

### Twenty-inch Monarch Standard French Burr Mill.

**Dimensions.**—Length over all, 67 inches; width over all, 27 inches; height over all, 41 inches; distance from floor to centre of shaft, 16 inches; floor space base occupies 24x54 inches; driving pulley, 12 inches diameter, 8 inches face; covered with leather. Weight, 1,350 pounds.

**Speed, Capacity, Etc.**—900 revolutions per minute. Capacity—15 to 20 bushels fine table meal, 40 to 50 bushels feed meal, per hour. Power required, 10 to 15 horsepower.

**PRICE**—List, \$250.00. Retail, \$135.00.

### Twenty-four-inch Monarch Standard French Burr Mill.

**Dimensions.**—Length over all, 70 inches; width over all, 32 inches; height over all, 48 inches; distance from floor to centre of shaft, 17 inches; floor space base occupies 27x57 inches; driving pulley, 16 inches diameter, 8 inches face; covered with leather. Weight, 1,800 pounds.

**Speed, Capacity, Etc.**—800 revolutions per minute. Capacity—20 to 25 bushels fine table meal, 60 to 70 bushels feed meal, per hour. Power required, 15 to 25 horsepower.

**PRICE**—List, \$320.00. Retail, \$172.80.

### Thirty-inch Monarch Standard French Burr Mill.

**Dimensions.**—Length over all, 70 inches; width over all, 39 inches; height over all, 54 inches; distance from floor to centre of shaft, 20 inches; floor space base occupies 30x53 inches; driving pulley, 20 inches diameter, 8 inches face; covered with leather. Weight, 2,500 pounds.

**Speed, Capacity, Etc.**—750 revolutions per minute. Capacity—25 to 30 bushels fine table meal, 70 to 100 bushels feed meal, per hour. Power required, 20 to 25 horsepower.

**PRICE**—List, \$420.00. Retail, \$226.80.

THESE mills are heavy, strong and durable, and expensive to build, there being a large amount of machine work upon them. It will be seen by comparing the description and weight of these mills with the price list that the prices are very low for the class of work. No purchaser would be willing to have them built in a cheaper manner, or any of the improvements left off. Furnished with ball bearings, and the shells are babbitted, turned and bored. Well built and designed for farm use.

#### Monarch "Light Power" Mills.

WITH these mills a farmer can grind his own shelled corn, corn and cob, oats and rye, screenings, buckwheat or barley, crack corn for his chickens, or grind the finest quality of cornmeal for his table.

The burrs are genuine solid French burrs, same as used in our larger mills, carefully selected for the work they have to do. Anyone following our instructions, which are very simple, can keep the burrs and mill in good order and run the same very successfully.

**Dimensions, 10-inch Mill.**—Diameter burrs, 10 inches. Weight—325 pounds. Size pulley—7x4. Revolutions per minute—1,000 to 1,200. Capacity—Table meal, 2 to 4 bushels; feed meal, 4 to 8 bushels. Length—32 inches. Height—27 inches. Width—17 inches. Floor space—16x16. Height from floor to centre of spout—8½ inches. Height from floor to centre of shaft—10 inches.

**PRICE**—List, \$100.00. Retail, \$54.00.

#### Twelve-inch Monarch Standard French Burr Mill.

**Dimensions.**—Length over all, 49 inches; width over all, 24 inches; height over all, 32 inches; distance from floor to centre

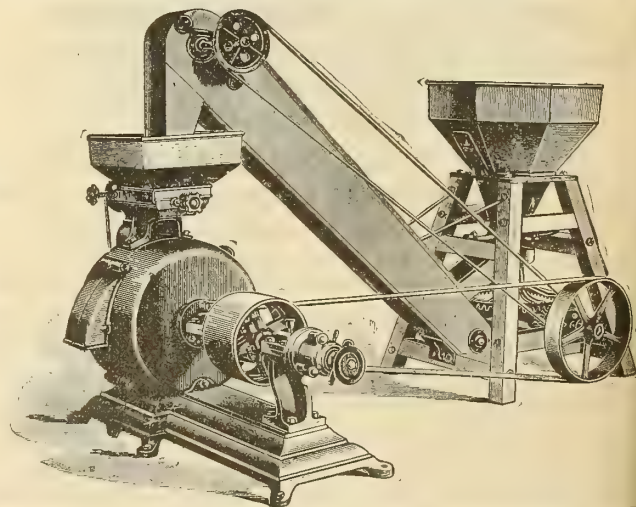
## Combined Monarch Corn and Cob Outfit.

ESPECIALLY ADAPTED FOR FARMERS AND THRESHERMEN.

The accompanying illustration represents the mill and an improved crusher combined. The crusher is driven from the mill spindle by a 3-inch belt. The crushed corn is carried to the mill hopper by an elevator, saving extra handling. This makes a very handy combined mill, the crusher requiring very little power, and need only be run while grinding ear corn, and can be stopped or started at any time while the mill is in motion. The most successful combined burr stone mill ever offered to the trade.

The cut shows mill and crusher combined on all of the sizes except the special 12-inch mill, for light power, that being constructed slightly different.

Write for Special Prices on Mill and Crusher combined.



#### Rubber Belting for Agricultural and Other Machinery.

THREE AND FOUR PLY.  
SEE PAGE 118.

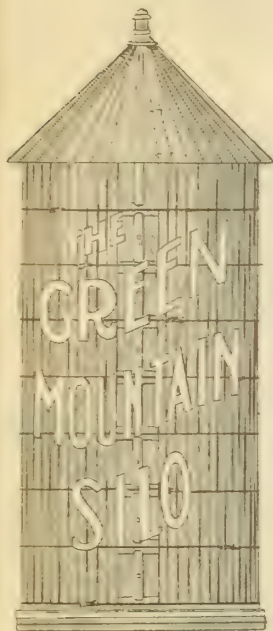
Sizes—3, 3½, 4, 4½, 5 and 6 inches.

Prices on Application.

PRICES.			
		Retail.	List.
12-inch Mill,	No. 1 Crusher combined.	\$108.00	\$200.00
16-inch "	No. 1 " "	138.25	256.00
20-inch "	No. 1 " "	175.00	324.00
20-inch "	No. 2 " "	189.00	350.00

FLOOR SPACE.			
12-inch Mill,	No. 1 Crusher, occupies	86x46 inches.	
16-inch "	No. 1 " "	90x54 "	
20-inch "	No. 1 " "	102x67 "	
20-inch "	No. 2 " "	104x67 "	

## **THE GREEN MOUNTAIN SILO.**



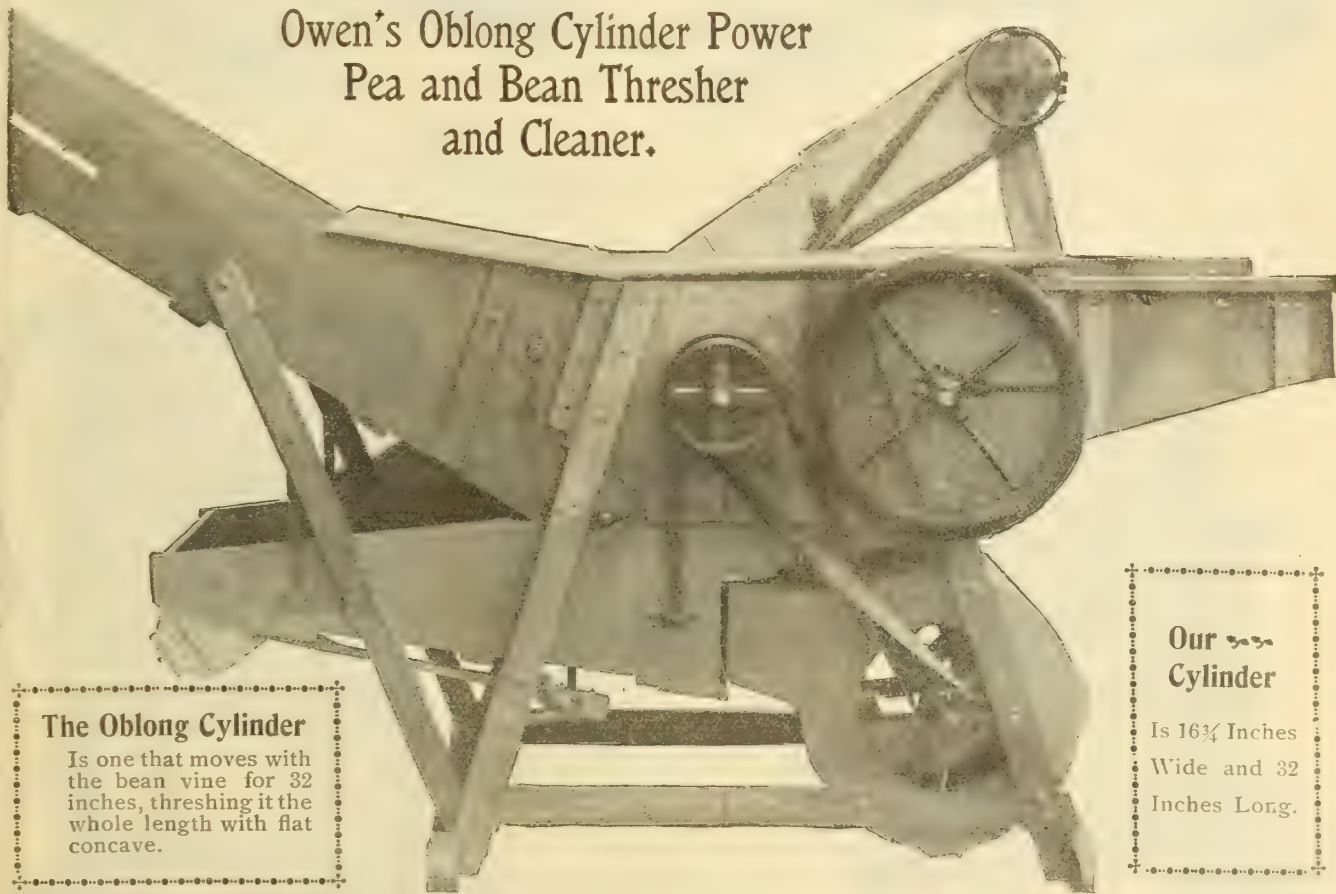
**T**HE one factor of storage room is a big one. A ton of hay requires 500 cubic feet of storage space, while the same amount would store ten tons of ensilage. This and the nature of ensilage makes almost a total absence of fire risk. The farmer who carries his barns full of hay to take his cattle through the winter is carrying much greater risks and paying much more in insurance premiums than his neighbor who has his winter feed stored in a little round barn of moderate cost, which could hardly be coaxed to burn, and which would injure its contents but little if it should burn. Calculate the expense of building a barn to store your hay and compare the result with the cost of a silo and add to both the difference in insurance. Calculate also the amount of space required to contain ten tons of hay in the ordinary barn at 500 cubic feet to the ton and see the result. Write for special catalogue giving full description of silos. Write for prices, giving size wanted, and state if wanted with or without roof. See our Ohio Cutters for Ensilage, pages 114, 115 and 116.

Dimensions. (Regular Sizes.)	Net Tons. Capacity.	Cows it will keep 6 mos. 40 lbs. feed a day.
10x20	28 tons.	7
12x20	40 "	11
12x24	50 "	13
14x22	62 "	17
14x24	67 "	19
16x24	86 "	25
16x26	95 "	27
16x30	108 "	31
18x26	120 "	33
20x24	135 "	36
20x30	170 "	46

### **Ten Reasons Why a Silo is a Good Investment ...**

1. It will produce a winter's feed nearly the equal of the green pastures of the summer.
2. It will do this for less money, and with less labor than is required for an inferior food.
3. It will pay for itself in two years.
4. It will add 20 per cent. to the profit of each cow in the herd.
5. It will keep two cows on the same land that would keep but one without it.
6. It will not only produce the best food for the cow, but it will produce also a food which in a small way is equally as good for the horse, the sheep, the fattening cattle, the hogs, and the poultry.
7. It will save storage room and insurance rates.
8. It will prevent waste.
9. It will bring cash dividends from the farm which, without it, can barely "make both ends meet."
10. It will do all of this and more, if you will but try it.

## **Owen's Oblong Cylinder Power Pea and Bean Thresher and Cleaner.**



### **The Oblong Cylinder**

Is one that moves with the bean vine for 32 inches, threshing it the whole length with flat concave.

### **Our Cylinder**

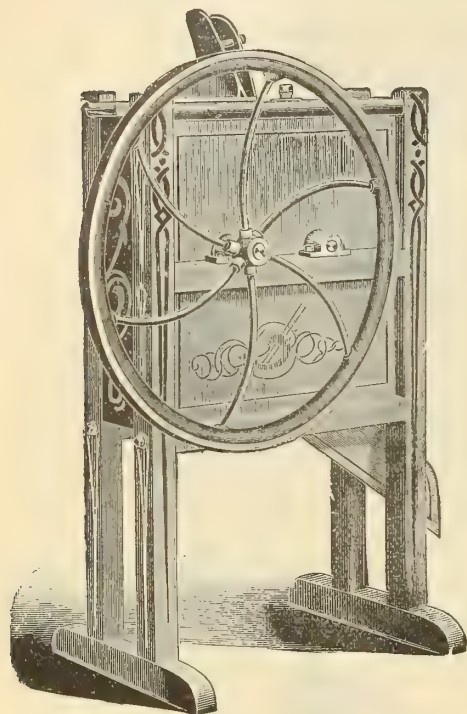
Is 16 3/4 Inches  
Wide and 32  
Inches Long.

**T**HE ROUND CYLINDER cannot thresh the beans thoroughly unless run at a high rate of speed, because it has very short space in which to thresh, and if it does not run at a high speed it cannot thresh the beans at all; they split the beans. By using the oblong cylinder it runs at half the speed, or 300 revolutions, and that solves the question. In the oblong cylinder we have teeth much farther apart than in the round cylinder. The closer you put the teeth the more power it takes to run the machine. A repeat elevator is used to elevate the tailings back into the cylinder. A long carrier is used to carry off the vines, and a long shoe, with zinc sieves in, and blast so directed on them as to clean peas or beans thoroughly. This machine has been thoroughly tested and proven satisfactory in every respect.

No. 4—Bean Thresher. Capacity, 100 bus. per day, requiring 2-horse sweep power; weight, 655 pounds. . . . . \$100.00  
 No. 5—Bean Thresher. Capacity, 150 bus. per day, requiring 4-horse sweep power; weight 850 pounds. . . . . 150.00

# **GRIFFITH & TURNER CO**

## **BALTIMORE SHELLERS.**

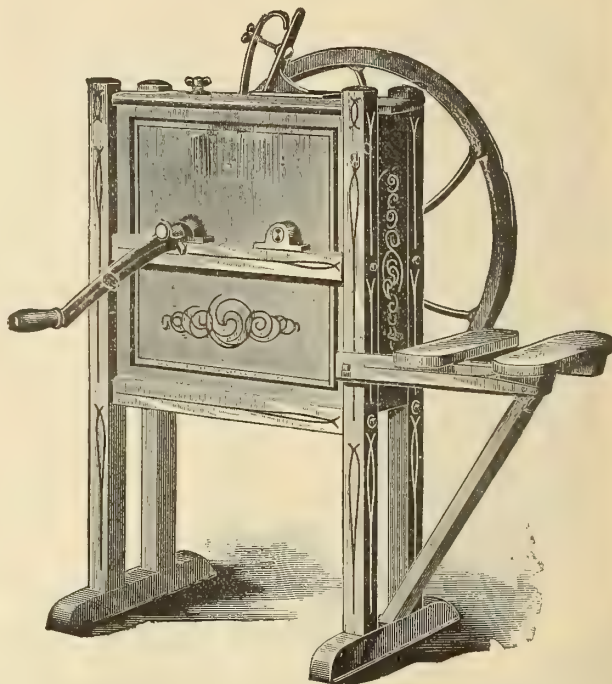


**NO. 6.**

Runs shelled corn and cobs together. Capacity, 125 bushels per day.

Price Plain Sheller.....\$5.50.

*Note:—Nos. 6 and 5 have same Capacity, but in No. 6 Corn and Cobs run together, and in No. 5 they are separated.*



**NO. 5.**

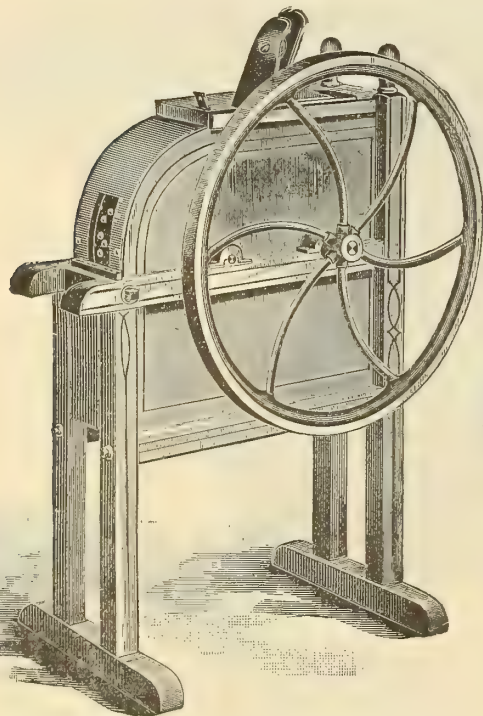
Capacity, 125 bushels per day; single spout; left hand.

Without basket holder..... \$6.00.

Basket holder extra..... 60.

### **NO. 3 SINGLE SPOUT.**

### **NO. 4 SINGLE SPOUT.**

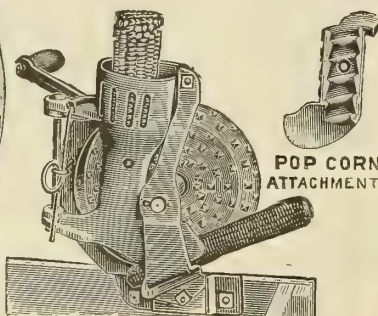


Separates corn and cob. Fan will clean corn for market. Corn discharged beneath Sheller, cobs at end. Easily adjusted for large or small ears. Capacity, 125 bushels a day.

Plain.....\$6.50

With Fan.....\$7.00.

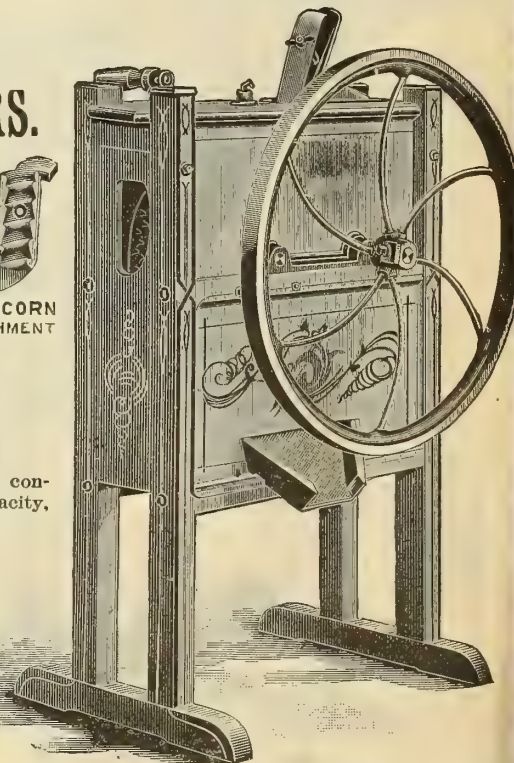
### **"EASY" CORN SHELLERS.**



**POP CORN ATTACHMENT**

Simple, cheap, strong and convenient. Weight, 15 lbs.; capacity, 8 to 10 bushels per hour.

PRICE \$1.50.



Screens corn; side delivery; light running; strong shafts. Capacity, 125 bushels a day.

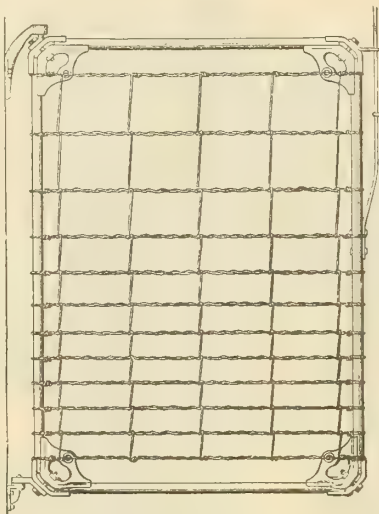
Plain..... \$6.50.



# GRIFFITH & TURNER CO

## Fencing and Stretchers.

### STEEL FARM WALK GATES. Pipe Frames.—Style No. 7.



CUT SHOWS SQUARE MESH.

The frames and finish of these Gates are the same as Style No. 5, covered with our REGULAR No. 1 CABLED FIELD AND HOG FENCING. Make space between posts 5 inches wider than width of gates.

State if hinges are for wood or steel posts. For odd sizes add \$1.00 to the nearest standard size. These Gates may be covered with any style of Field Fencing or Poultry Fencing without extra charge.

#### Prices Do Not Include Posts.

Width.	Height.	List.	Retail.
3½ ft.	42 in.	\$5.75	\$4.03
3½ ft.	50 in.	6.00	4.20

### STEEL FARM DRIVE GATES.

#### Pipe Frames.—Style No. 8.

SINGLE DRIVE GATES for farm purposes; the best in the market. Frames made of steel pipe, 1¼ inches outside diameter, corners malleable casting. Cross braces 5-16 inch round steel rods, and covered with our Regular No. 1 Cabled Field and Hog Fencing.

Double Gates, same widths and heights, \$2.50 more than above prices. For Single Drive Gates make space 5 inches wider than width of gate, and for Double Drive Gates make space 8 inches wider than width of gate. Wider gates furnished on application.

#### Prices Do Not Include Posts.

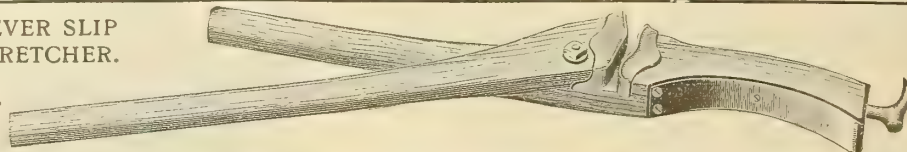
Width.	Height.	List.	Retail.
10 ft.	42 in.	\$12.50	\$8.75
10 ft.	50 in.	13.00	9.25



Price... 75c.

### NEVER SLIP STRETCHER.

Price,  
75c.



Has no teeth to cut or injure the wire. If you CUT or INJURE the galvanizing on a wire it LETS IN RUST. Consequently the wire is weakened and breaks at this point. THE NEVER SLIP STRETCHER has an iron jaw, but no teeth. When it gets a hold it never lets go, but hangs on with a death-like grip to all kinds of wire.

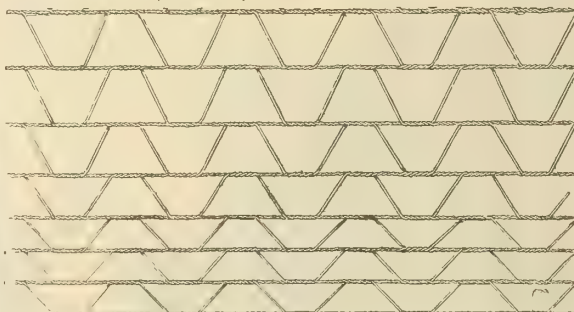
### BALING TIES.



when under pressure. We keep in stock only the standard size, No. 15, 8½ ft. long, but can furnish any of the other sizes and lengths on order at lowest prices. Retail price on application.

ANNEALED BALING WIRE.—Nos. 11, 12, 13, 14 and 16 always on hand at lowest market prices on application.

### M. M. S. HOG, FIELD, SHEEP AND CATTLE FENCE.



The above cut represents our M. M. S. HOG FENCING. 33 meshes to the rod; it is made very strong and is the only successful Hog Fence now produced with a continuous connecting or mesh wire; we use nothing but the very best galvanized steel wire in it; stretches up nicely.

All Horizontal Lines are Cables. All Put Up in 20 Rod Rolls.

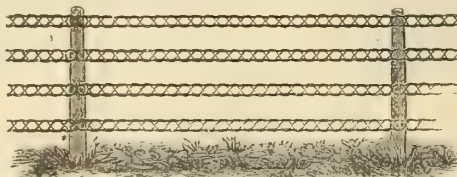
#### PRICES.

Height.		List.		Retail.
48 in.	10 cables.	Per rod, \$ .92		Per Rod, \$ .60
50 in.	11 cables.	" 1.02		" .67
63 in.	13 cables.	" 1.22		" .80

### M. M. S. FIELD AND HOG FENCING

Is made of No. 14 galvanized steel wire throughout; every horizontal line is made of two No. 14 wires twisted together. Spacing between the cables is as follows: Commencing at the bottom of the fence, first three are 3 inches, next two, 4½ inches, and the balance 6 inches apart.

### TRUSS AND CABLE FENCE WIRE.



It is composed of six galvanized spring steel wires of superior quality and is about 1½ inches wide. Its strength is equal to the combined tensile strength of all the wires, and its construction is such as to allow for the expansion and contraction of heat and cold without stretching.

#### Prices on Application.

BARBED WIRE, PLAIN TWISTED TWO-STRANDED WIRE, PLAIN GALVANIZED WIRE, PLAIN RIBBON WIRE, PLAIN ANNEALED WIRE.

#### Prices on Application.

### STEEL POSTS AND RAILS.

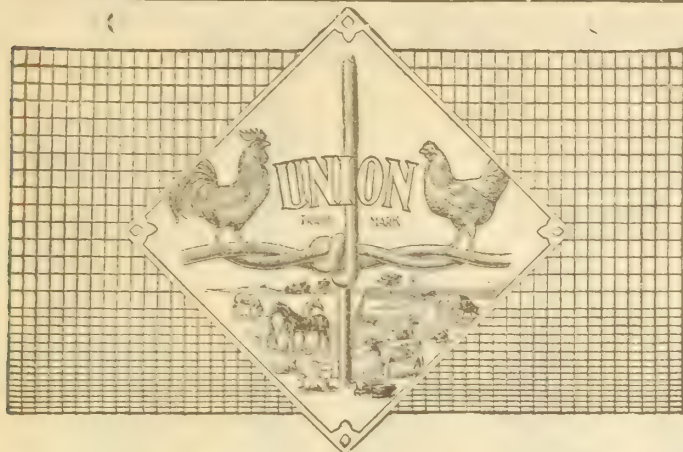
These Posts having sharp made ends can be driven the required depth. This is preferable to digging holes, as it saves time, and they are held more rigidly. Price, 5 ft., list, \$1.40; retail, \$1.12. Price, 6 ft., list, \$1.50; retail, \$1.20.

Steel Top Rails, 1¼ inch outside diameter, drilled and fitted. List, per foot, 14c.; retail, 12c.

### WIRE STRETCHER.

The person stretching the wire can nail it to the post without assistance.

The only true principle for a Wire Stretcher.



## Union Lock Poultry Fence.

The horizontal lines of this fence are all composed of two No. 20 galvanized steel wire twisted together.

Beginning at the bottom the first 7 cables are 1 1/4 inches apart, the next three cables are 1 1/2 inches apart, then 6 cables 2 inches apart, and all above that 4 inches apart. This gives a mesh of 1 1/4x3 inches at the bottom, where it is needed for small chicks, and above 2 feet, where fowls can only reach when on the wing, the mesh is 3x4 inches.

The pickets are No. 19 galvanized steel wires and are 3 inches apart. On account of the pickets being at right angles to the cables, this fence will fit any unevenness of the ground without cutting.

Because of its strength and construction this fence requires no top or bottom rail and no more posts than the ordinary woven wire stock fence, or about one-half the number needed for poultry netting.

In strength, closeness of mesh, adjustability and economy, it is unexcelled.

### LIST.

10 rod rolls, 165 ft.	24 in. wide,	\$3.10.	When cut, 2 1/4 c. per running ft.
10 "	165 ft. 36 "	3.85.	" 2 3/4 c. "
10 "	165 ft. 48 "	4.40.	" 3 1/2 c. "
10 "	165 ft. 60 "	5.25.	" 4 c. "
10 "	165 ft. 72 "	5.95.	" 4 1/2 c. "

In comparing prices with ordinary poultry netting remember these bales are 15 feet longer.

## Diamond Mesh Poultry Netting.

### FOR ENCLOSING POULTRY YARDS.

The wire we offer is all Nos. 19 and 20 double-twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

### Prices 2-Inch Mesh.

No.	In. Wide.	Sq. Ft.	Per Bale.	No.	In. Wide.	Sq. Ft.	Per Bale.
19	12	150	\$ .75	20	12	150	\$ .79
19	18	225	1.12	20	18	225	1.08
19	24	300	1.50	20	24	300	1.35
19	36	450	2.25	20	36	450	2.02
19	48	600	3.00	20	48	600	2.70
19	60	750	3.75	20	60	750	3.37
19	72	900	4.50	20	72	900	4.05

Price, 1c. per sq. ft. in less than bale lots. Staples for fastening, 10c. per pound.

We also carry in stock a few sizes of one inch mesh as follows:

No.	In. Wide.	Sq. Ft.	Per Bale.	No.	In. Wide.	Sq. Ft.	Per Bale.
19	24	300	\$3.90	20	24	300	\$3.30
19	36	450	5.85	20	36	450	4.95
19	48	600	7.80	20	48	600	6.60

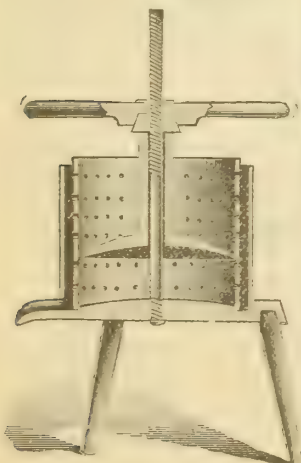
## PORTABLE SCALES.

These Scales have been on the market about five years, AND ARE FAVORABLY KNOWN AS THE FINEST SCALE THAT IS BEING OFFERED THE TRADE TO-DAY AT THE PRICE. They are carefully adjusted by competent workmen, and ARE GUARANTEED U. S. STANDARD SCALES. Although cheap in price, they are by no means cheap in appearance or construction. The material throughout is of the best quality, and all pivots are of steel. The brass work is highly polished; the iron work is japanned in black, and the wood work is finished in its natural color, making a very attractive combination. They are carefully packed for shipment, and can be set in position ready for use in a few minutes.

Sizes are as follows:

600 lb.—Size of Platform, 16x23.....	\$18.00
800 lb.—Size of Platform, 16x25.....	20.00
1000 lb.—Size of Platform, 17x26.....	22.00

## LARD AND FRUIT PRESS.



### Special Discount for Cash.



Best, simplest and cheapest. It is substantial and won't get out of order, and very easy to clean. A boy ten to twelve years old can operate it. By its use enough lard is saved in one season to pay for it. Good for pressing berries and small fruits. It will last a lifetime, as all parts are made of heavy cast-iron, while bowls are of the best galvanized steel. Whole height of press, 3 feet; size of bowl or drum, 10 inches in diameter; weight, 45 pounds.

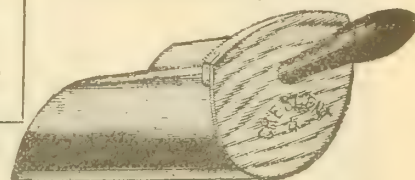
Price.....\$400

We also handle the

**ENTERPRISE PRESSES.**

## Crescent Galvanized Steel Scoops. FOR SUGAR AND SALT.

Siemens Steel, Extra Galvanized, Non-Corrosive.



### Hard Maple Heads and Handles.

No. 1—Capacity, 1 1/2 lbs. ....	Retail, 20c.
No. 3— " 2 1/2 lbs. ....	" 25c.
No. 4— " 3 1/2 lbs. ....	" 30c.
No. 5— " 4 1/2 lbs. ....	" 35c.

## Cast Aluminum Scoops. MADE OF PURE ALUMINUM. CAST IN ONE PIECE ..

ABSOLUTELY INDESTRUCTIBLE. LIGHT AND CONVENIENT.



No. 1, size, 4x11 ins., \$1.25 each. No. 2, size, 5x12 ins. \$1.50 each. No. 3, size, 5 1/2x14 ins., \$1.75 each. Per set, \$4.50.

## Utility Steel Baskets.

JAPANNED. DRY MEASURE.

With bail and side handles, 1/2 bush., price, 40c.

With patented clips and drop handles, 1/2 bush., 50c.; same, 1 bush., 60c.; same, 1 1/2 bush., 75c.

With side handles, corrugated iron bottoms, graduated, 1/2 bush., 40c.; same, with side handles and bails, 1/2 bush., 50c.

Any of the above can be furnished galvanized.

Write for Prices.





# FORKS AND RAKES.

Silver Polish Damascus Temper.

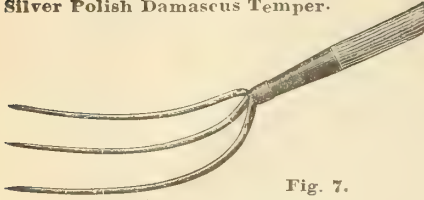


Fig. 7.

## HAY FORKS.

- No. 026—Two-tine hay, strap ferrule, straight handle, retail price..... 50c. each.  
No. 26—Two-tine hay, common or plain, straight handle, retail price..... 45c. each.  
No. 035½—Three-tine hay, strap, straight handle, retail price..... 60c. each.  
No. 35½—Three-tine hay, common or plain, straight handle, retail price..... 50c. each.  
7 or eight foot Handle Forks, extra.

## STEEL RAKES.



Fig. 1.

- No. 14—Prize Bow, Braced Rake, solid steel, 14 teeth, retail price..... 60c. each.  
No. 16—Prize Bow, Braced Rake, solid steel, retail price..... 65c. each.

"Champion" Silver Polish.

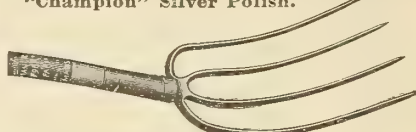


Fig. 8. MANURE FORKS.

- No. 1106—Patent Locked Forks, extra heavy, full polished, strap ferrule, retail price..... 65c. each.  
No. C 044½—"Champion" Four-tine Manure, long handle, strap ferrule, retail price..... 60c. each.  
No. C 04D—"Champion" Four-tine manure, Mall. D handle, strap ferrule, retail price..... 65c. each.

Damascus Temper.

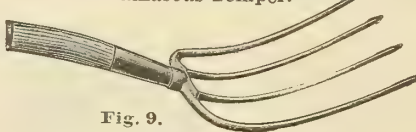


Fig. 9.

- No. 404½—Four-tine Manure, long handle, strap ferrule, retail price..... 60c. each.  
No. C 44½—Four-tine Manure, retail price..... 50c. each.  
No. 44½—Four-tine Manure, long handle, common ferrule, retail price..... 50c. each.  
No. 40 D—Four-tine Manure, Mall. D handle, strap ferrule, retail price..... 65c. each.  
We carry some special heavy Manure Forks not listed here.

## THE BOSS GARDEN RAKE.

(Strong, All Steel, Tinned, Cheap.)

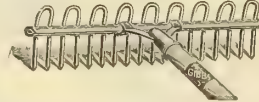


Fig. 3.

- No. 18—15½ inch head, 18 steel pointed teeth..... 40c. each.  
Boss 6-Tooth Weeder..... 25c. each.

- Fig. 12—No. S 10—Ten tine, Scoop shape, Mall. D handle, strap ferrule, \$1.40 each.  
No. S 12—Ten tine, Scoop shape, Mall. D handle, strap ferrule..... \$1.00 each.  
Especially for handling Beets, Onions, Apples, Corn, etc. Tine points are flattened and rounded, so as not to injure Potatoes, etc.  
No. 44—Coke Forks, 14 tine, D handle, strap ferrule..... \$1.75 each.  
No. 101—Ten tine, D handle, stone forks..... \$1.50 each.

Special Prices in Quantities on all Forks.

## AUTOMATIC SELF-CLEANING RAKES.

### LAWN RAKES.

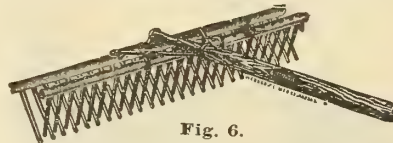


Fig. 6.

- With 22 teeth..... 60 cents.  
With 26 teeth..... 70 cents.  
Lawn King Rake, with 22 teeth..... 40 cents.

We carry the Iowa Farming Tool Co.'s line of CELEBRATED STEEL GOODS embracing a full assortment of Hoes, Forks Rakes etc. They are well known for their superior quality and finish, and beauty of design. All made of best material obtainable and severely tested.



Fig. 10.

Fig. 11.

### SPADING FORKS.

- Retail Price.  
Fig. 10—No. 170—Pat. Locked Spading Forks, extra heavy, strap ferrule..... 90c. each.  
No. S D—"Columbia" solid Socket, ang. tine, heavy Mall. D handle..... 90c. each.  
Fig. 11—No. J. O. W.—"Jumbo" extra heavy, ang. tine, wood D handle, strap ferrule..... \$1.00 each.  
No. L ½ O D—medium weight, ang. tine, Mall. D handle, strap ferrule, 75c. each.  
No. B 4—Boys' Four-tine..... 50c. each.

THE IOWA FARMING TOOL CO.  
FORT MADISON, IOWA

General Utility Fork  
SCOOP SHAPE



Fig. 12.



Fig. 2.

- No. 110—"Peerless" Shank, braced, solid steel, 10 in..... 40c. each.  
No. 112—"Peerless" shank, braced, solid steel, 12 in..... 45c. each.  
No. 114—"Peerless" Shank, braced solid steel, 14 in..... 50c. each.  
No. 116—"Peerless" Shank, braced solid steel, 16 in..... 55c. each.  
No. 118—"Peerless" Shank, braced, solid steel, 18 in..... 60c. each.

Each Rake is made of **ONE PIECE** of solid steel; no iron; no welding. They are hardened, oil tempered and beautifully finished

## MALLEABLE RAKES.

Retail Price.

- No. 010—Heavy Single Shank, Malleable Rake..... 15c. each.  
No. 012—Heavy Single Shank, Malleable Rake..... 20c. each.  
No. 014—Heavy Single Shank, Malleable Rake..... 25c. each.  
No. 016—Heavy Single Shank, Malleable Rake..... 30c. each.  
No. 0012—Heavy Braced Shank, Malleable Rake..... 25c. each.  
No. 0014—Heavy Braced Shank, Malleable Rake..... 30c. each.  
No. 0016—Heavy Braced Shank, Malleable Rake..... 30c. each.  
No. 1—Solid Steel Turf Edger..... 50c. each.  
No. 30—Steel Thistle Dock Cutter..... 50c. each.

## QUEEN STEEL GARDEN RAKE.



Neat, Strong and  
Durable,  
Bright Finished,  
Twisted Teeth.

- Fig. 4.—14 Teeth..... 35c. 16 Teeth..... 40c.

## "Queen" All Steel Lawn Rake.

REVERSIBLE, HEAVILY TINNED.

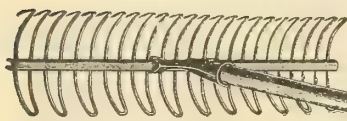


Fig. 5.—In this Rake here is no opening in front or back of head in which to collect dirt. As can be seen by the shape of the teeth, they run smooth and will not dig in the sod. The steel head of this Rake is in the form of an egg-shaped tube, with the greatest width in the line of strain, which is the stiffest form possible, and being closed, will not collect dirt in the head. The teeth being bent at the points, makes the Rakes run smooth, and will not tear the soil. By reversing the double teeth are used for leaves and rubbish.

21 inch head, 24 teeth..... 50 cents.

## Corn, Potato and Manure Hooks AND CORN KNIVES.

Retail Price.

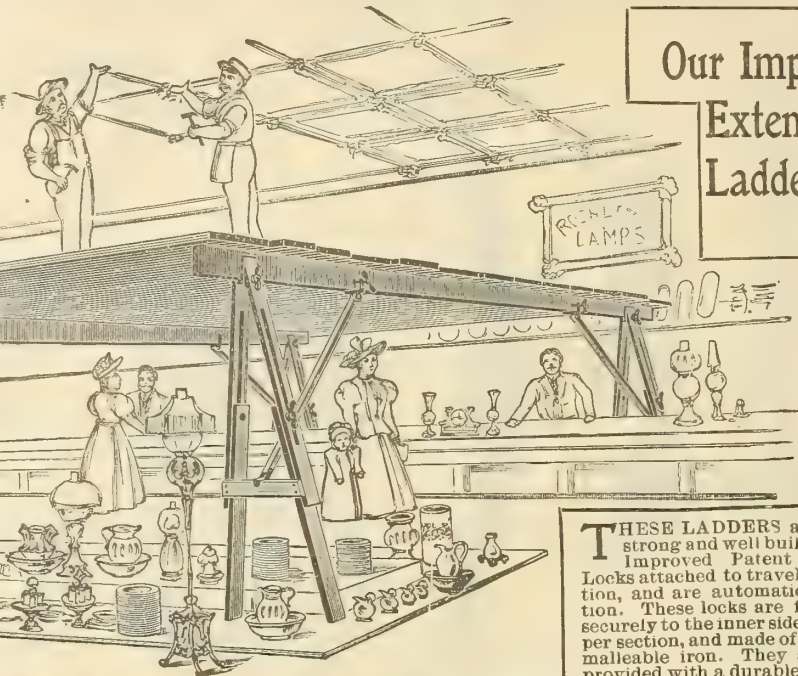
- No. F 04—Flat Oval Four Tine Solid Steel Potato Hook..... 45c. each.  
No. J M 4—Extra Heavy, Four Angular Tine Jumbo Potato Hooks..... 60c. each.  
No. 132—Patent Locked Heavy, Potato Hooks..... 60c. each.  
No. 32—Reg. Pattern Heavy, Potato Hooks..... 50c. each.  
No. S M 4—Oval Four Tine Manure Hooks or Drags..... 60c. each.  
Regular Pattern Corn Hooks, not adjustable..... 20c. each.  
Patent Folding Corn Hooks, with serrated edge..... 35c. each.  
Clipper Corn Knives..... 30c. each.  
Eureka Corn Knives..... 50c. each.

Garden Sets, 3 Pieces, 5-T Rake, Shovel and Hoe, \$1.00 per set



## Tilley's. Adjustable Patented Scaffolding Jacks.

They will receive a beam from 1 to 2 inches thick and any width from 4 inches up. Can be used on a 3-foot to a 30-foot beam. Any mechanic requiring inside scaffolding can readily see the good points in these Jacks. Are light, strong and suitable for plasterers, carpenters, painters and paper-hangers, the putting up of metal ceilings, shaftings, pulleys, etc.



### Our Improved Tilley Extension Ladders.

THESE LADDERS are stiff, strong and well built. Have Improved Patent Spring Locks attached to traveling section, and are automatic in action. These locks are fastened securely to the inner sides of upper section, and made of the best malleable iron. They are also provided with a durable spring, which keeps the hook thrown forward and grasps each round of the stationary ladder as the traveling ladder passes upward. A tripper forces the hook back, allowing it to pass the rounds when descending.

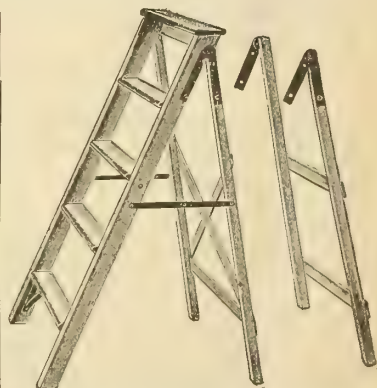
#### PRICES.

24 ft., 2 12 ft. sections, ext'ds	21 ft..	\$6.00
26 " 2 13 " "	23 " ..	6.50
28 " 2 14 " "	25 " ..	7.00
32 " 2 16 " "	29 " ..	8.00
36 " 2 18 " "	33 " ..	9.00
40 " 2 20 " "	36 " ..	12.00

Other Lengths Given on Application.

### OUR IMPROVED Tilley Step and Extension Ladders.

FOR Decorators' Ladders, SEE NEXT PAGE.



EUREKA—Well adapted to any use to which step-ladders are put. It has a special style of hinge, connecting front and back, bolted on, rodged, and well braced with iron. Some prefer the open back, detached, as it admits of using a plank to make a platform more readily.

#### Prices, Step Ladders, with Pail Rest.

5 ft.....	\$2.00	10 ft.....	\$3.25
6 ft.....	2.25	12 ft.....	4.25
8 ft.....	2.75		

Other Sizes on Application.

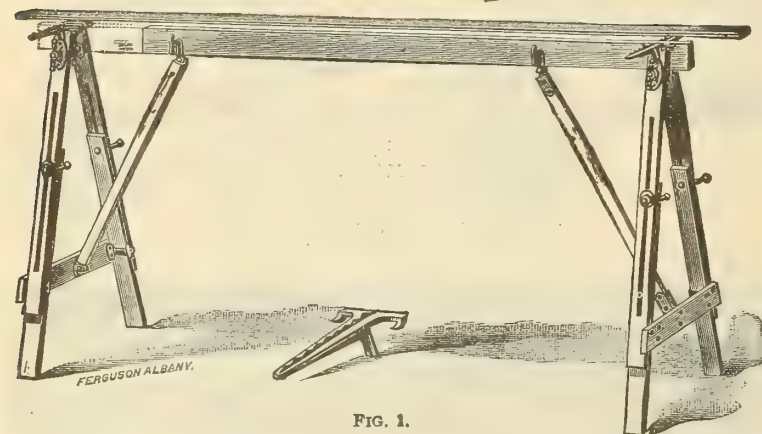


FIG. 1.

THIS improvement consists of suspension brackets, which permits of making a scaffold at any elevation lower than the height of the Jack when down to its limit. These brackets can be used with Jacks already sold. They cost but 60 cents. With them and the proper size Jack the scaffold can be made to fit a store or basement.

The iron brackets or arms, as illustrated in Fig. 1, are used when platform is wanted on one horse. These brackets are hooked into malleable castings at top of leg and will support a platform two feet wide the whole length of horse. This furnishes a convenient arrangement for moving about, working side walls, or to use in narrow hallways. Price, 85 cents per set (4), net.

Fig. 2 shows two Jacks represented in Fig. 1 as "knocked down." It is unnecessary to comment upon its compact form.

#### 3/4 x 1 1/4 SLOTTED LEG. 3/8 x 1 1/2 TRAVELING LEG.

No. 5—Stands 3 ft. high, will extend to 5 ft.....	Per Jack, \$2.50
No. 6— " 4 " " " 6 ft.....	2.50
No. 7— " 5 " " " 8 ft.....	2.80
No. 8— " 6 " " " 9 ft.....	3.20
No. 9— " 7 " " " 11 ft.....	3.55
No. 10— " 8 " " " 12 ft., 6 inches.....	3.80

#### EXTRA HEAVY FOR PLASTERERS AND MILL WORK.

#### 4 x 1 1/4 SLOTTED LEG. 3/8 x 1 1/2 TRAVELING LEG.

No. 11—Stands 4 ft. high, will extend to 6 ft.....	Per Jack, \$2.90
No. 12— " 5 " " " 8 ft.....	3.20
No. 13— " 6 " " " 9 ft.....	3.60
No. 14— " 7 " " " 11 ft.....	4.00
No. 15— " 8 " " " 12 ft. 6 in.....	4.30
No. 16— " 10 " " " 15 ft.....	5.00

Nos. 8 and 13 have an extra end brace on slotted legs, with iron brace at each end of same. Nos. 9, 10, 14, 15 and 16 have extra end braces, same as 8 and 13; also have an extra grip on friction bolt in each traveling leg, making the Jacks much stronger than formerly. There have been several valuable improvements made in the details since the issue of former, or 1894, price list.



FIG. 2.

Also furnish single Ladders, made of Spruce, with hand-shaved Oak Rounds, first class in every particular, 12, 14, 16, 18 feet, Price, 15c. per foot. Ladders over 18 feet, 2c. per foot extra.



## LUTHER'S EMERY TOOL GRINDER.

For Grinding Any Kind of Tool.

The cut represents

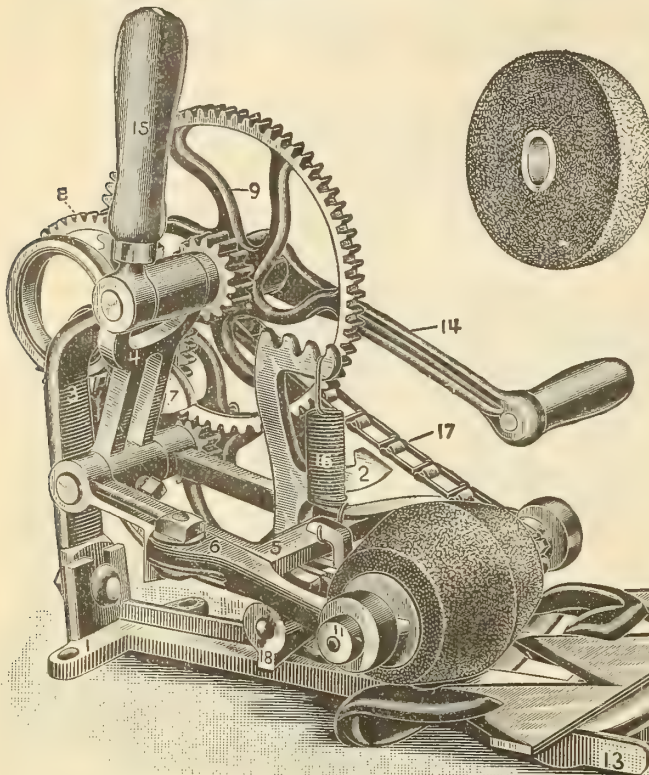
**The Housekeeper's Friend.**

Will give a keen edge to all kinds of household cutlery. Any lady can use it.

**The Farmer's Friend.**

Sharpens quickly and perfectly all tools from an axe to a pocket knife.

Price \$1.50.



## LUTHER'S SICKLE GRINDER.

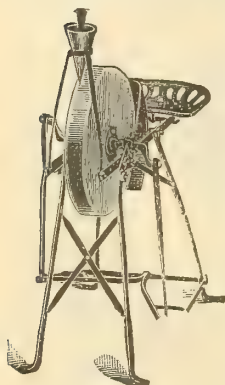
The improvement in this machine embodies a device that automatically drives the emery back and forth (horizontally) over the sickle (or by the simple lifting of the oscillator, it may be controlled by hand and at the will of the operator) while a finely tempered steel spring gives just the proper pressure.

Ingenious and almost frictionless tapered adjusting nuts are employed for lifting the emery stone from the heel and point of the sickle at any place desired. Every emery stone is **guaranteed** against being too soft or crumbly. The clamps for holding sickle are the simplest and most effective ever placed on an article of this kind.

The advantages of the above features will at once be apparent to the experienced. For simplicity of operation, for workmanship, durability and strength, Luther Bros. and Neuens Automatic Sickle and Tool Grinding Machines are pre-eminently in the lead and winners of trade wherever used.

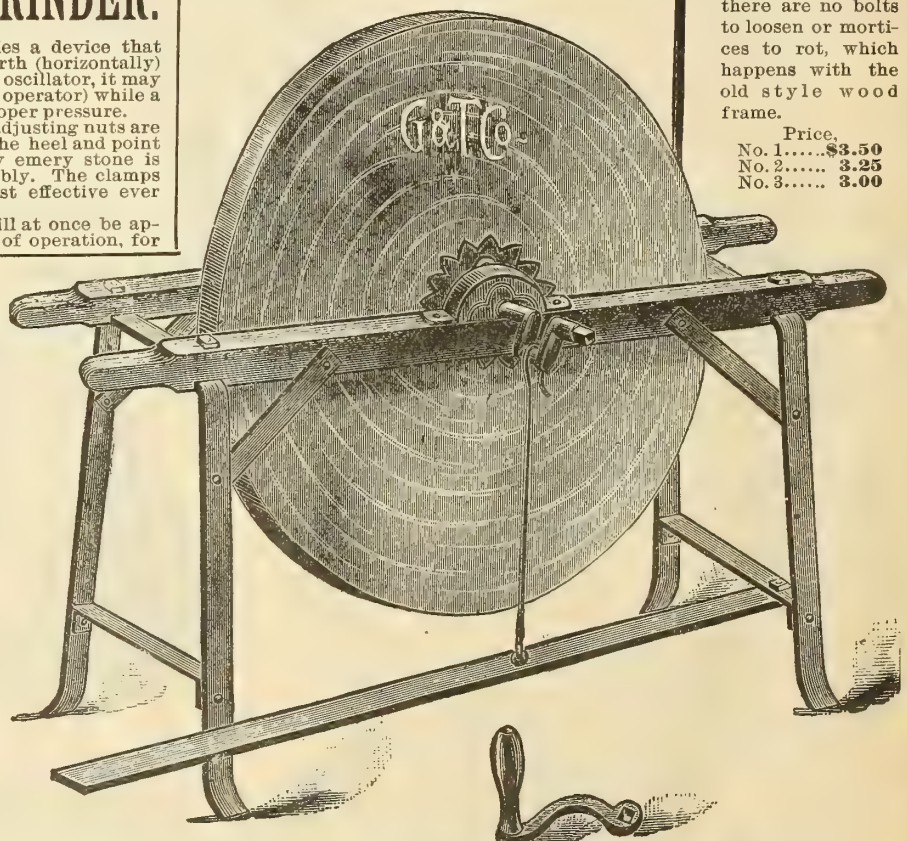
Price \$4.00. Same with foot power \$5.00.

## SCHOFIELD STEEL FRAME BI-TREADLE GRINDSTONE.



This is without doubt one of the handiest implements on the farm. No necessity to call a boy to turn the stone, the work being done with both feet, as its name indicates. It has also a self-watering attachment.

Price, Stone and Frame, complete, \$5.25.



## STEEL FRAME GRINDSTONE.

With this frame we have no loose joints because being of steel, and all in one piece, there are no bolts to loosen or mortices to rot, which happens with the old style wood frame.

Price,  
No. 1.....\$3.50  
No. 2..... 3.25  
No. 3..... 3.00

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



With and Without Porcelain Cylinder.  
PRICES OF PUMPS FITTED COMPLETE.

	6 x 6 UNLINED.		6 x 6 LINED.		7 x 7 LINED.	
	LIST.	RETAIL.	LIST.	RETAIL.	LIST.	RETAIL.
Pump for 6-foot well...	\$7.52	\$5.28	\$9.02	\$6.31	\$10.77	\$7.53
" 8 " " " "	7.86	5.50	9.36	6.55	11.11	7.77
" 10 " " " "	8.20	5.74	9.70	6.79	11.45	8.00
" 12 " " " "	8.54	5.97	10.04	7.02	11.79	8.25
" 14 " " " "	9.16	6.41	10.66	7.46	12.41	8.68
" 16 " " " "	9.54	6.67	11.04	7.72	12.79	8.95
" 18 " " " "	9.92	6.94	11.42	8.00	13.17	9.20
" 20 " " " "	10.30	7.21	11.80	8.26	13.55	9.48
" 22 " " " "	10.68	7.47	12.18	8.52	13.93	9.75
" 24 " " " "	.....	.....	13.18	9.22	15.18	10.62
" 26 " " " "	.....	.....	14.18	9.92	16.43	11.50
" 28 " " " "	.....	.....	15.18	10.62	17.68	12.37
" 30 " " " "	.....	.....	16.00	11.20	18.50	12.95
" 32 " " " "	.....	.....	16.80	11.75	19.30	13.51
" 34 " " " "	.....	.....	17.60	12.32	20.10	14.07
" 36 " " " "	.....	.....	18.40	12.88	20.90	14.63
" 38 " " " "	.....	.....	19.20	13.44	21.70	15.19
" 40 " " " "	.....	.....	20.00	14.00	22.50	15.75
" 45 " " " "	.....	.....	22.00	15.40	24.20	16.94
" 50 " " " "	.....	.....	24.00	16.80	26.20	18.34

Special Disc. for Cash    Special Disc. for Cash    Special Disc. for Cash

It will not rust, being made out of No. 24 Gauge Galvanized Steel.  
It will not rot or accumulate filth, and leaves the water clear and pure.  
It is anti-freezing, as the reservoir piece has a small hole in same, which allows the water to run out.  
It can be used in wells as deep as 40 feet.



Galvanized Curb.....	\$3.25
Tubing, per foot.....	.07
Coupling.....	.16
Rubber Buckets.....	.08
Iron Platform.....	4.00
Chain, per lb.....	.07

No. 1 Tubes, 4x4, per foot (House and Stock).....	\$ .17
Same 12 feet long and over .....	.19
Extension Tube, 6x6 (Deep Wells).....	.40
Couplings for No. 1 Tubing, with Bands.....	.50

Extra Iron Spouts, Japanned, each.....	\$	.30
“ Patent Loose Collar.....		.40
“ Wood Spouts, each.....		.15
“ Braces for Wood Spouts, each.....		.15
“ Iron Brackets, No. 36 and No. 35, each.....		.40
“ “ No. 37, closed, each.....		.50
“ Plungers, 5 inches, each.....		1.25
“ “ 4 “ “.....		1.00
“ “ 3½ “ “.....		.80
“ “ 3 “ “.....		.65
“ “ Wood, per doz.....		3.00
“ “ Leather, “.....		3.50
“ Handles, each.....		.30
“ Handle Links, each.....		.25
“ Bands, each.....		.10
“ Check Valves, per doz.....		1.50
“ Splice Straps, pair with bolts.....		.25
“ Iron Pipe Connections, each.....		1.00
“ Bucket Rods, per foot.....		.03
“ Cork Lined Frost Faucets, each.....		.40



For Chain Pumps. Anti-Freezing. Price.....10c.

## Price.....8c. Price.....7c.

## Price.....7¢.

Price, Crosby Swivel Link,  
9c. Plain.....8c.

Numbers.	Diameter of Pipe.	Length Jacket.	Length Pipe.	No. Holes.	No. 60 Gauge per doz.	List.	Retail Price each.
90	1 1/2"	24 inches.	30 inches.	100		Price \$36.00	\$ .90
94	1 3/4"	24 inches.	30 inches.	130		Price 46.00	1.05
98	1 3/4"	30 inches.	36 inches.	165		Price 56.00	1.40
102	1 3/4"	42 inches.	48 inches.	270		Price 76.00	1.90
106	1 3/4"	18 inches.	24 inches.	120		Price 48.00	1.20
140	1 3/4"	24 inches.	30 inches.	162		Price 60.00	1.50
144	1 3/4"	30 inches.	36 inches.	198		Price 72.00	1.80
148	1 3/4"	42 inches.	48 inches.	276		Price 96.00	2.40

## **FORCE AND LIFT IRON PUMPS.**



**FIGURE 1018.**

### **Anti-Freezing Lift Pump ...**

**OPEN TOP.** Shallow wells and cisterns. By lowering cylinder to within 15 feet of water, pumps can be used in wells 40 to 50 feet in depth.

Pump base to bottom of cylinder, 4 feet.

No.	Cylinder.	Stroke.
4	3x10 inches.	6 inches

Capacity, per Stroke.  
.18 gallon.

Suction.	Lift.
1 1/4-inch pipe.	30 feet.

#### **PRICE—Iron Cylinder:**

List	\$7.00
Retail	4.50

**FIGURE 1153.**

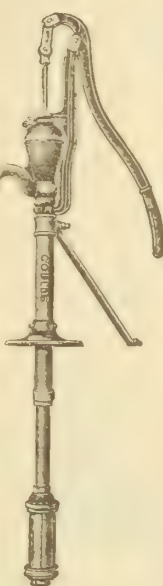
### **Set Length Lift Pump.**

With adjustable base and brace, syphon spout, revolving bearer top. Base to bottom of cylinder, 4 feet. Under base is heavy pipe nut, connecting standard with set length Wrought-iron pipe stock, with base and brace, which can be adjusted to meet any height of lever and spout.

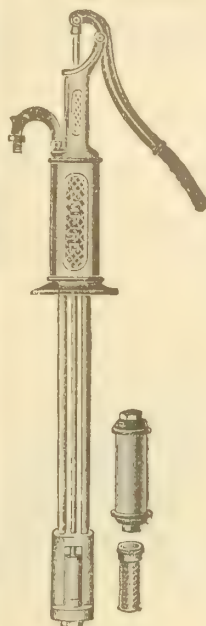
No.	Cylinder.	Stroke.	Cap'y, per Stroke.	Suction.	Force and Lift.
4	3x10 in.	5 in.	.15 gallon.	1 1/4-inch pipe.	40 feet.

#### **PRICE—Iron Cylinder:**

List	\$11.50	Retail	\$7.00
------	---------	--------	--------



**FIG. 1153.**



**FIGURE 1025.**

### **Double-Acting Force Pump.**

**A**DAPTED for deep or shallow wells. Furnished complete with brass lower cylinder, with bronze valve and seat and bushing for either shallow or deep wells. Will go inside 5-inch well casing.

No.	Cylinder.	Stroke.
4	3x10 1/2 inches.	6 inches.

Capacity, per Stroke. .18 gallon.

Discharge. 1 1/4-inch pipe.

Well Rod. 3/4-inch hose.

Lift and Force. 75 feet.

#### **PRICE—Brass-Lined Cylinder:**

List	\$14.50
Retail	9.00

**FIGURE 1308.**

### **Anti-Freezing Force and Lift Pump ...**

**B**RASS cylinder; deep or shallow wells; light top; large air chamber, provided with pet cock. Adjustable base and brace. Discharge fitted for 3/4-inch hose. Will go inside 3-inch casing.

No.	Cylinder.	Stroke.	Capacity, per Stroke.
4	2 1/4 x 14 inches.	10 inches.	.21 gallon.
	Suction.		Lift and Force.
	1 1/4-inch pipe.		100 feet.

#### **PRICE—Brass-Body Cylinder:**

List	\$17.00	Retail	\$10.00
------	---------	--------	---------



**FIG. 1308.**

## **The Gem Galvanized Steel Chain Pump ..**



**H**AS extension base, which also projects below platform, and is easily fitted by cutting a square hole in the platform the length and the width of the bottom of pump.

The fixtures are first class and anti-freezing.

The pump is painted stone color, with two coats of the best paint, and is neatly stenciled and varnished.

Made entirely of Galvanized Steel, in four pieces, locked together with its own metal.

There are neither rivets nor solder on it, making it very strong.

A "Gem," indeed.

**PRICE . . . \$2.50**

## **Water Elevator and Purifier.**

**P**URIFIES water by means of oxygen forced into water.

Strength, durability and workmanship cannot be surpassed.

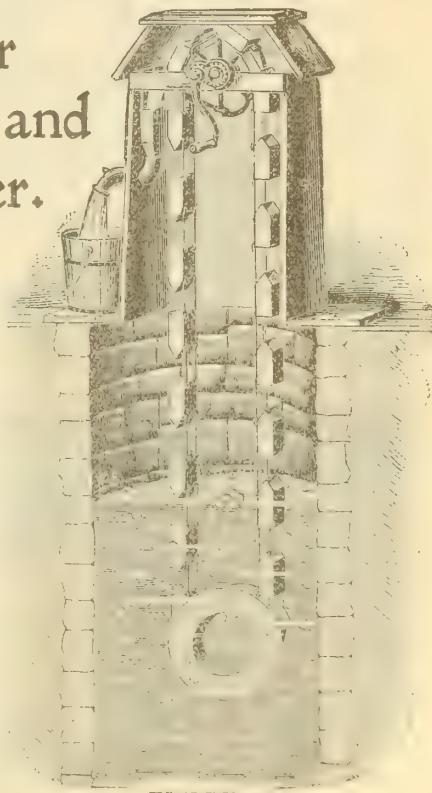
Pumps are carefully inspected before leaving factory.

#### **PRICE:**

**Elevator, with 25-foot Chain and Japanned Bottom Wheel for 10-foot cistern, \$6.50.**

Same, with 30-foot Chain for 12-ft. cistern . . . \$7.25

**Extra Chain, 15c. per foot.**



**FIGURE 18.**



## **Carriage and Buggy Department.**

No. 39.

### **FARMERS' FAVORITE.**

Sarven Wheels. One-Inch Axle. Semi-Elliptic Springs, Painting Dark Wine.

**PRICE.**  
List, \$24.00  
Retail, \$14.00

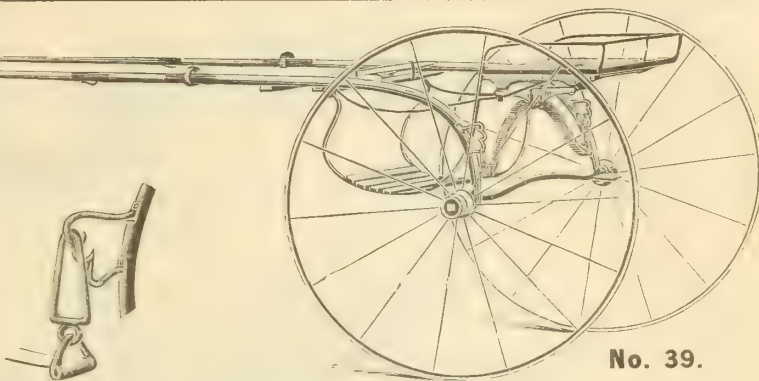
### **No. 15 BODY CART.**

WHEELS, Sarven patent; four feet high, one inch tread. Gear—Double collar steel axle, one inch; coched; combination of lat 2 small coil springs; adjusting irons for raising and lowering body to suit load. Body and Seat—Body, 27 inches wide; seat, 30 inches wide, with box underneath for holding parcels; size of parcel box, 24x14x5½ inches. Trimmings—Imitation of leather; cushion and back. Painting—Body black; gear, Brewster green. List, \$31.00. Retail, \$20.00.

### **Old Dominion Cart,**

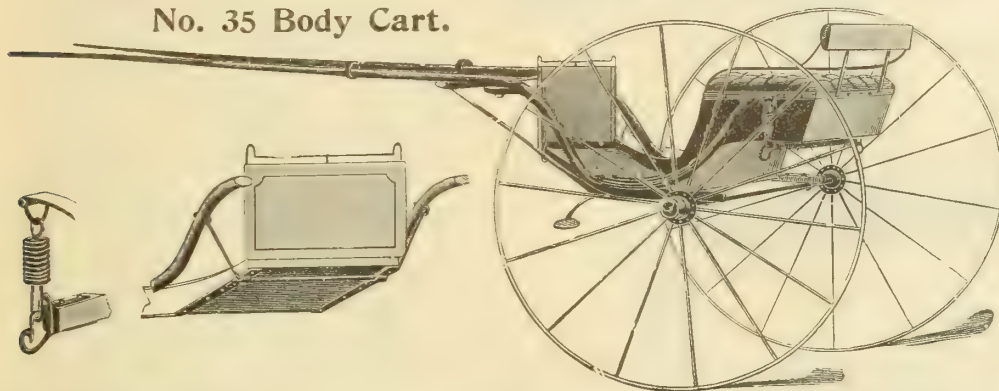
Somewhat similar to the above but cheaper in construction.

List, \$20.50  
Retail, \$12.00



No. 39.

### **No. 35 Body Cart.**



In this, as seen in cut, the step is in front, rendering it a very easy matter for ladies to mount, and the springs are so arranged that the only motion felt is that of a buggy. No horse motion whatever.

Wheels, Sarven patent, four feet high; 1 inch tread. Gear, double collar, steel axle, 1 inch, coched; four-leaf springs, combined with small coil springs; adjusting irons for raising or lowering body. Body, 27 inches wide; seat, 30 inches wide, with box underneath, 24x11x6 inches. Trimmings, imitation leather; spring cushion. Painting, body black; gear, Brewster green, nicely striped.

List, \$40.00. Retail, \$23.00.

**No. 0 BODY CART.** ¾ Wheels, 4 ft. high; 1 in. Axle, double collar, Steel Spring swings in Shackle; best Hickory Shafts. List, \$35.00. Retail, \$21.00.

### **"Model" Ironed Carriage Pole.**

Is well ironed with wrought iron tees; double or single hammer strap; heavy drop-forged stay irons. In every way suitable for medium grade work. Prices are for Pole complete, which include neck yoke, double and single trees and check straps.

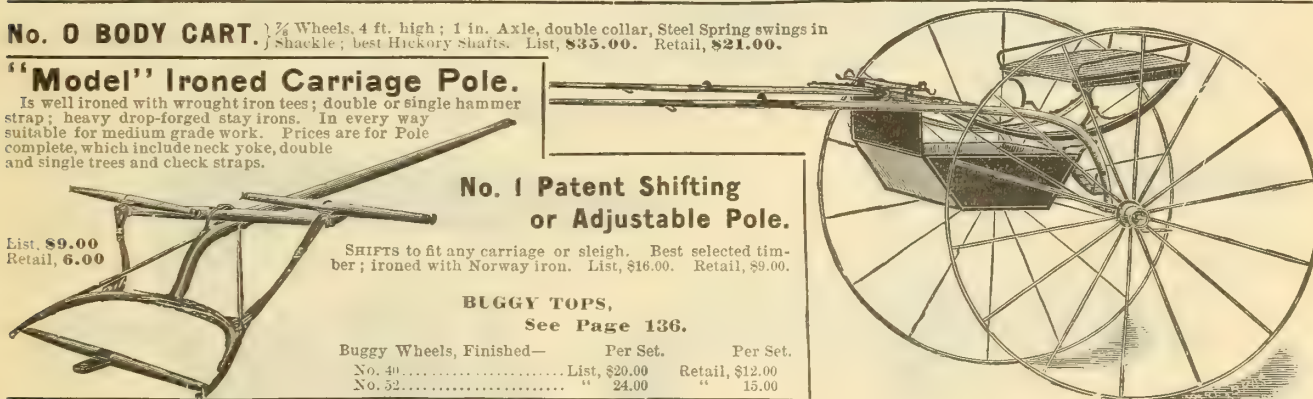
List, \$9.00  
Retail, 6.00

### **No. 1 Patent Shifting or Adjustable Pole.**

SHIFTS to fit any carriage or sleigh. Best selected timber; ironed with Norway iron. List, \$16.00. Retail, \$9.00.

### **BUGGY TOPS, See Page 136.**

Buggy Wheels, Finished—	Per Set.	Per Set.
No. 40.....	List, \$20.00	Retail, \$12.00
No. 52.....	24.00	15.00



### **DUPLEX SPRING WAGON.**

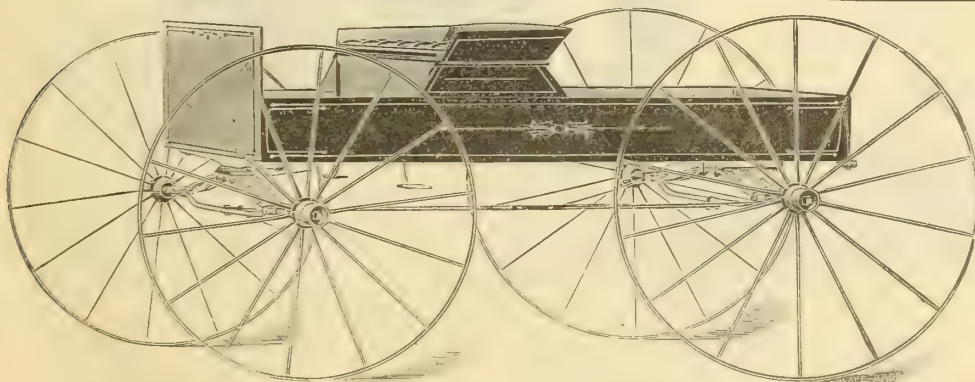
Axle, 1½ in.; 1½ in. steel tire; body 7 ft. long, 3 ft. wide, 9 in. high. Drop end gate. Capacity, 1000 lbs. \$45.00.

Axle, 1 in.; 1 in. steel tire; body 6 ft. 6 in. long, 3 ft. wide, 9 in. high. Drop end gate. Capacity, 600 to 800 lbs. One seat with cushion. \$12.50.

We furnish Tops, Brakes, Two Seats and Lazy Backs with above wagons when ordered. Tops extra, \$15. Brakes, \$3.

All wheels dipped in boiling oil.

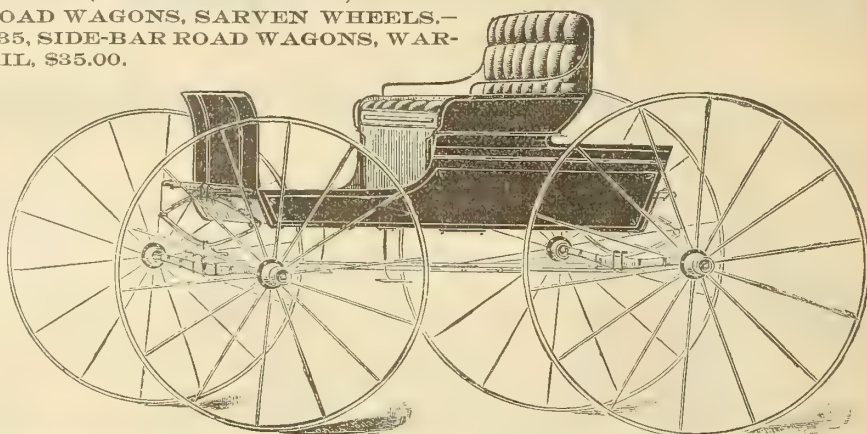
We are offering Three Spring Wagons on same lines as above. 1½ in. Axle \$47.50; 1 in. Axle, \$45.00.



**ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.**

(CONTINUED)

**List, \$60.00.    Retail, \$35.00.**



## No. 3 Driving Wagon.

A detailed illustration of a horse-drawn driving wagon. The wagon features two large, spoked wheels and a smaller front wheel. The seat is upholstered in a patterned fabric, possibly leather, and is supported by a metal frame. The overall design is classic and functional, typical of late 19th-century horse-drawn vehicles.

**List, \$85.00.      Retail, \$50.00.**

To guarantee a perfect fit all Tops should be ordered with seats; this will obviate at times the annoyance of moving irons, and adjusting Top to old seats.

## A detailed black and white illustration of a vintage motor vehicle, likely a touring car or light truck, featuring a large canopy supported by poles, two rows of seats with striped upholstery, and large spoked wheels. The vehicle is shown from a side profile, facing right.

**List, \$145.00.**

**Retail, \$90.00.**

## CARRIAGE AND BUGGY DEPARTMENT

The cut does not show the single-leaf feature of the spring, as it could not be obtained in time for this issue, but in every other respect it is the same. This is rather a new departure, but a most excellent arrangement. For ease of riding and general comfort it is not excelled by any other style. Axles  $\frac{7}{8}$  inch double collar steel; Warner or Sarven wheels, No. 1 quality  $\frac{3}{4}$  or  $\frac{7}{8}$  inch tread; tire bolted between every spoke; body 22 inches wide; seat regular width; nickel hub bands; nickel prop nuts; trimmed in leather same as No. 52. A great favorite in the South.

	<b>PRICE</b> —List.	Retail.
Rubber Top.....	<b>\$95.00</b>	<b>\$52.50</b>
Leather Quarter.....	<b>100.00</b>	<b>55.00</b>
Leather Top and Rubber Sides.....	<b>110.00</b>	<b>60.00</b>
Full Leather Top.....	<b>120.00</b>	<b>70.00</b>

### No. 40 Side Bar Buggy, Piano Body

This is Similar in Construction to No. 52,  
but Not as Fine Grade.

Wheels, No. 1 grade, 3 feet 9 inches and three feet 5 inches high; Warner or shell band, 7/8x3-16 steel tire bolted between every spoke, double perch; well ironed; 15-16 inch double collar, steel axle; springs all clipped on axle; Brewster springs; body black; gear green; black or natural wood finish; can hang on other springs on sufficient notice.

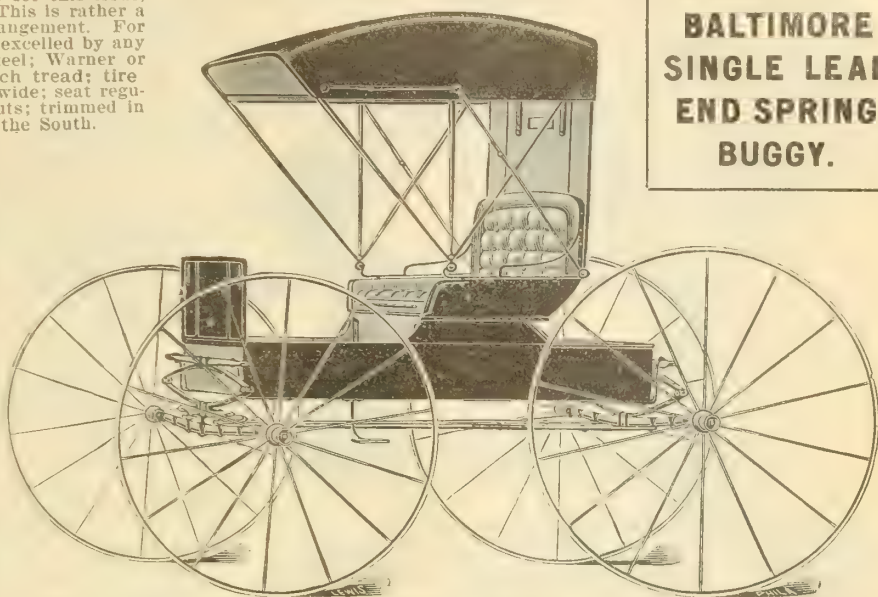
	PRICE—List.	Retail.
Rubber Top.....	\$86.00	\$48.00
Leather Quarter.....	90.00	50.00
Leather Top and Rubber Sides.....	100.00	55.00
Full Leather Top.....	105.00	57.50
With End Spring, Same Prices.		

## No. 52.

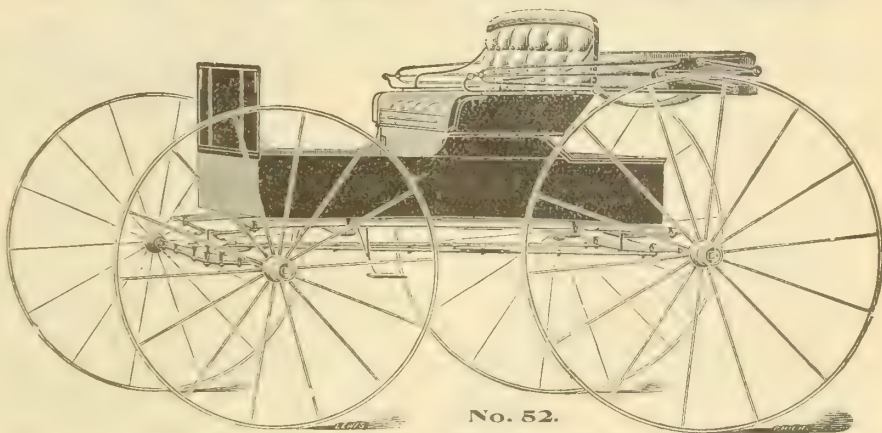
## Brewster Spring Buggy

Seven-eighths Double Collar Swaged Steel Axles; shell band or Warner wheels. No. 1 quality;  $\frac{3}{4}$  or  $\frac{7}{8}$  inch tread; steel tire bolted between every spoke; body 22 inches wide; seat regular width, upholstered in green or blue broadcloth or leather; cushions on back are plaited; seat lined; a neatly trimmed job; 28-ounce rubber top; nickel fasteners on stays; body hung low. It is nicely finished and style is exceedingly good.

	PRICE.	List.	Retail.
Rubber Top.....	\$105.00		\$57.50
Leather Quarter.....	110.00		60.00
Leather Top and Rubber Sides.....	120.00		65.00
Full Leather Top.....	130.00		75.00
Nickel Rail.....	1.10		.65
Rim Sleeve Bands.....	1.50		.85
Nickel Cap.....	1.50		.85



**BALTIMORE  
SINGLE LEAF  
END SPRING  
BUGGY.**



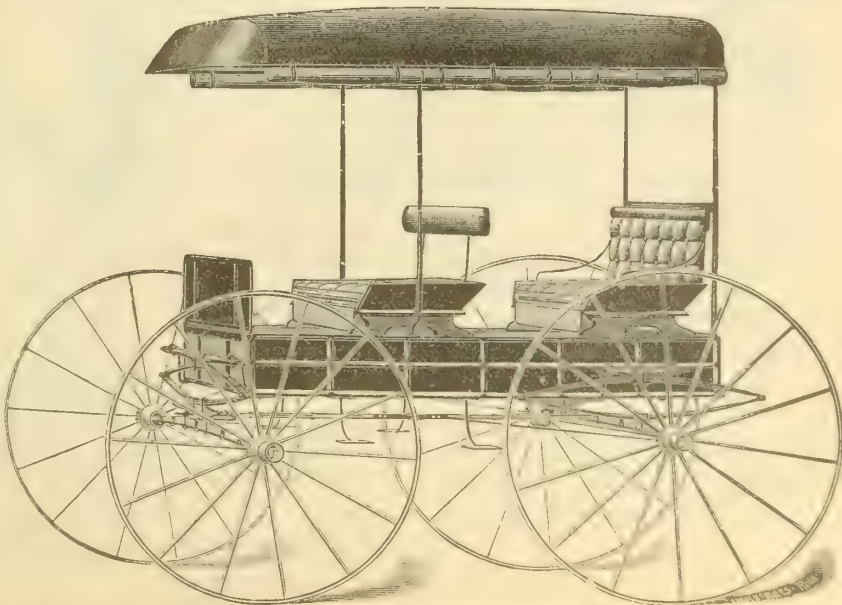
No. 52.

## No. 4 Dayton.

Length of body 5 feet 10 inches, width 2 feet 10½ inches, frame and seats best white ash; panels best No. 1 poplar; wheels 3 feet 9 inches and 3 feet 5 inches high; 1 1-16 inch spoke; Warner or shell band; 1x¼ inch steel tire; 1 1-16 inch steel axle, front spring 1¾ inch, 4 ply; two back springs 1¼ inch, 4 ply, oil tempered; gear best white hickory; cushions trimmed either leather or cloth; curtains 24 ounces, green back, gum; finished natural wood or painted as desired; hung on Brewster springs.

PRICE—List.....	\$110.00
Retail.....	60.00

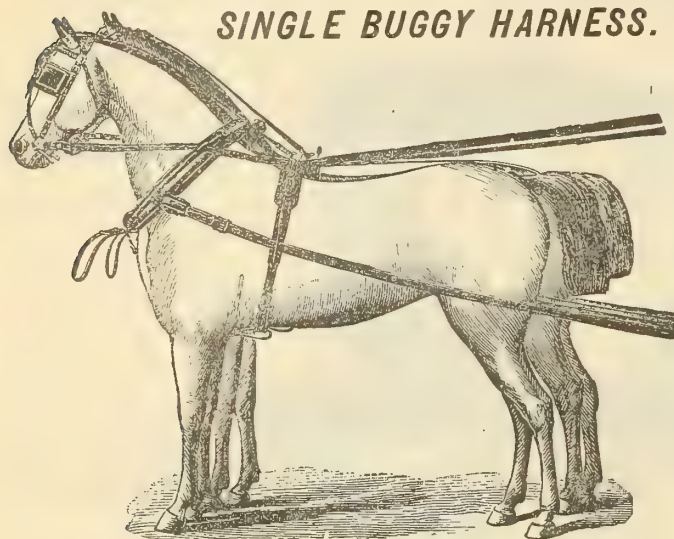
Can also furnish in duplex or side bar at same price.



ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

## DEPARTMENT OF HARNESS.

### SINGLE BUGGY HARNESS.



#### No. 700—SINGLE BUGGY HARNESS.

Bridle,  $\frac{5}{8}$  inch; Traces, 1 inch; Saddle,  $2\frac{1}{2}$  inches; Breast Collar and Breeching, single leather; Flat Lines, with Web Hand-parts; X-C Mounting. Price, with Collar and Hames, \$7.20; with Breast Collar, \$6.60.

#### No. 603—SINGLE BUGGY HARNESS.

Bridle,  $\frac{5}{8}$  inch; Traces,  $1\frac{1}{2}$  inches; Saddle, 3 inches, with Nickel Hook and Terrets; Breast Collar and Breeching, folded, with straight lay; flat Lines; X-C Mounting; imitation Hand Stitched. Price, with Collar and Hames, \$10.25; with Breast Collar, \$9.60.

#### No. 4—SINGLE BUGGY HARNESS.

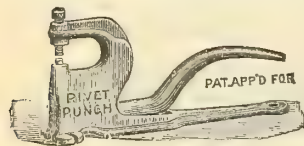
Bridle,  $\frac{5}{8}$  inch; Traces,  $1\frac{1}{2}$  inches; Saddle, 3 inches; Breast Collar and Breeching, folded with straight lay; flat Lines; X-C Mounting, with Nickel Hook and Terrets; imitation Hand Stitched. Price, with Collar and Hames, \$12.60; with Breast Collar, \$11.50.

#### No. 93—SINGLE CARRIAGE HARNESS.

Bridle,  $\frac{5}{8}$  inch; Traces,  $1\frac{1}{2}$  inches; Saddle,  $3\frac{1}{2}$  inches; Breast Collar and Breeching, folded with straight lay; flat Lines; X-C Mounting; imitation Hand Stitched. Price, with Collar and Hames, \$13.50; with Breast Collar, \$12.60.

#### No. 94—SINGLE CARRIAGE HARNESS.

Bridle,  $\frac{3}{4}$  inch, Chain Front; Traces,  $1\frac{1}{2}$  inches; Saddle, 4 inches; Breast Collar and Breeching, folded with straight lay; flat Lines; Nickel Hook and Terrets, and balance of Mounting X-C; imitation Hand Stitched. Price, with Collar and Hames, \$14.25; with Breast Collar, \$13.25.



Save Money on the Farm  
by Using

### Rivet Punches.

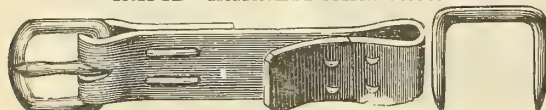
The "Farmers'  
Factotum."

#### FOR MENDING HARNESS, BELTING, ETC.

**A**DAPTED for No. 1 Tubular Rivets, which are sold by the hardware trade. A sample package of assorted rivets furnished with each machine. This little machine will save more time and money for the farmers and liverymen than anything on the market. Price:

Tom Thumb, 40c. Uncle Sam, 50c.  
Rivets, box of 100, 15c. Rivets, four boxes, 50c.

#### "RAPID" HARNESS MENDERS.



Patented—February 2, 1886; March 27, 1888.

The finest way of applying a buckle known. Any part of a harness can be mended in a very short time—no riveting, no sewing to rot away, and no special tools required.

Price, 25c. Per Gross; By Mail, 35c.

#### No. 354—SINGLE CARRIAGE HARNESS.

Bridle,  $\frac{5}{8}$  inch Front; Traces,  $1\frac{1}{2}$  inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, folded with wave lay; flat Lines; full Nickel or imitation Rubber Mounting; imitation Hand Stitched. Price, with Collar and Hames, \$15.00; with Breast Collar, \$13.25.

#### No. A—HAND-MADE SINGLE BUGGY HARNESS.

Bridle,  $\frac{5}{8}$  inch; Traces,  $1\frac{1}{2}$  inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, folded with wave lay; flat Lines; full Nickel or imitation Rubber Mounting; Hand Stitched. Price, with Collar and Hames, \$22.25; with Breast Collar, \$20.50.

#### No. 29—DOUBLE BUGGY HARNESS.

Bridle,  $\frac{5}{8}$  inch; Traces, 1 inch; fancy bound Pads;  $1\frac{1}{4}$  inch side pieces and folded Bellybands; Turnback,  $\frac{3}{4}$  inch; Hip Strap,  $\frac{5}{8}$  inch, with patent leather Drops; flat Lines; Kip Collars; X-C Mounting. Price, \$19.20.

#### No. 19—DOUBLE BUGGY HARNESS.

Bridle,  $\frac{5}{8}$  inch; imitation Chain Front; Traces,  $1\frac{1}{2}$  inches; fancy bound Pads under same;  $1\frac{1}{4}$  inch side pieces and folded Bellybands; Turnback,  $\frac{3}{4}$  inch; no Hip Strap; flat Lines; patent leather Collars; full Nickel or imitation Rubber Mounting; imitation Hand Stitched. Price, \$24.00.

#### No. 35—DOUBLE BUGGY HARNESS.

Bridle,  $\frac{5}{8}$  inch; Traces,  $1\frac{1}{2}$  inches; plain Pads, with leather Housings under same;  $1\frac{1}{4}$  inch side pieces; folded Bellybands; Turnback,  $\frac{3}{4}$  inch, waved; flat Lines; patent leather Collars; Nickel or imitation Rubber Mounting; imitation Hand Stitched; nicely finished. Price, \$30.00.

#### No. 20—EXPRESS HARNESS.

Bridle,  $\frac{3}{4}$  inch; Traces,  $1\frac{1}{2}$  inches, to buckle to Hames or with Heel Chains and attached to Hames; Saddle,  $4\frac{1}{2}$  inches, with Kersey Lining; folded Breeching, with straight lay; double Hip Straps; Brass or Nickel Mounting; imitation Hand Stitched. Price, \$21.50.

#### No. 27—EXPRESS HARNESS.

Bridle,  $\frac{3}{4}$  inch; Traces,  $1\frac{1}{2}$  inches; Saddle 4 inches; red wood Hames, with X-C Ball Top; folding Breeching, with straight lay; double Hip Straps; X-C Mounting. Price, \$15.00.

#### No. 18—EXPRESS HARNESS.

Bridle,  $\frac{3}{4}$  inch; Traces,  $1\frac{1}{2}$  inches, with Cock Eyes; Saddle, 4 inches, with Kersey Lining; red wood Hames, with brass Ball Top; folded Breeching, with straight lay; double Hip Straps; Brass Mounting; imitation Hand Stitched. Price, \$18.60.

#### No. 10 1/2—DOUBLE WAGON HARNESS.

Bridle,  $\frac{3}{4}$  inch; Harness Leather Winkers; Ball Top Hames;  $1\frac{1}{2}$ -inch Traces, riveted to Hames, with Chain Ends; folded Pad and Breeching;  $\frac{3}{4}$  inch double Hip Strap; Kip Face Collars; flat Lines. Price, \$22.75.

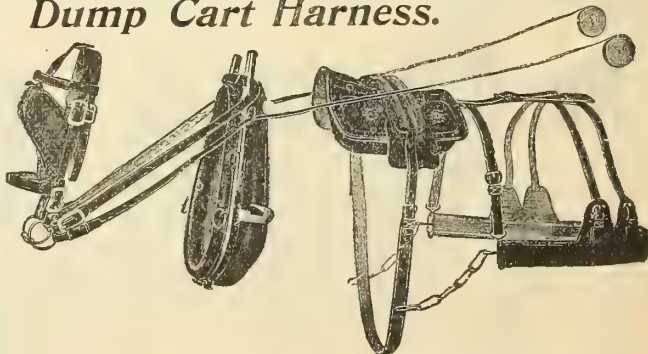
#### No. 9—DOUBLE WAGON HARNESS.

Bridle,  $\frac{3}{4}$  inch; patent leather Winkers; Ball Top Hames;  $1\frac{1}{2}$ -inch Traces, riveted to Hames, with Chain Ends; folded Pads and Breeching;  $\frac{5}{8}$  inch double Hip Strap; Kip Collars; flat Lines; imitation Hand Stitched. Price, \$25.75.

#### No. 17—HEAVY DOUBLE WAGON HARNESS.

Bridle,  $\frac{3}{4}$  inch; patent leather Winkers; Box Loop Checks; Brass Ball Top Hames; 2-inch Traces, riveted to Hames, with Chain Ends; heavy Pads and Breeching; 1-inch double Hip Strap; Kip Collars; flat Lines; imitation Hand Stitched. Price, \$38.40.

### Dump Cart Harness.



#### No. A—DUMP CART HARNESS.

Bridle,  $\frac{7}{8}$  inch; Lines,  $\frac{7}{8}$  inch; Breeching, 3 inches; No. 5 Saddle, leather covered; No. 62 iron-bound Hames;  $\frac{5}{8}$ -inch Hame Straps; Tug Chains; Kip Team Collar. Price, \$12.25.

#### No. 8—DUMP CART HARNESS.

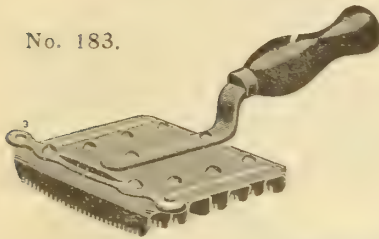
Bridle, No. 218, with Winker Stays; Hames, No. 61, Virginia Hook, with straps; Collar, all Kip Team; Saddle, No. 8, Doubled and Stitched Top, full Pad, leather Girth; Breeching, No. 5, 3-inch double Body,  $1\frac{1}{2}$  inches Turnback,  $1\frac{1}{4}$ -inch double Hip Straps. Price, \$18.00.

Prices on Cheap Cart Harness on Application.

HORSEBACK GOODS ON APPLICATION.

## **STABLE REQUISITES.** **CURRY COMBS AND BRUSHES.**

No. 183.



All steel, close back, 8 bars, plain knocker lacquered, enameled handle, brass ferrule, oval face, shank running through handle and riveted. Packed one dozen in box Cases made for 24 dozen.

Price 20 cents each, \$2.00 per dozen.

### **8 Bars, Hand Riveted.**

PATENT APPLIED FOR.



No. 480

No. 480—Columbia.—Lacquered. 25c. each. Packed one dozen in box. Cases are made for 24 dozen.

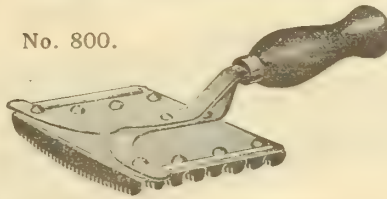
Price \$2.50 per dozen.

**EIGHT BARS, EXTRA HEAVY.**  
 No. 490—All steel shank runs through handle and is riveted.

Price 25c. each, \$2.50 per dozen. Packed one dozen in box. Cases are made for 24 dozen.

### **All Steel, Close Back.**

No. 800.

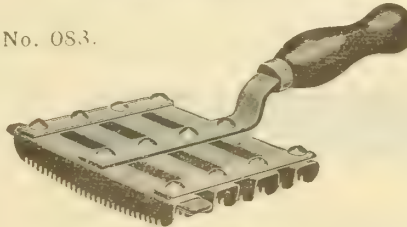


All steel, close back, lacquered, extra size, oval face, curved knockers, braced shank extending through handle and riveted, enameled handle, brass ferrule, 8 bars. Packed one dozen in a box. Cases made for 24 dozen.

Price 25c. each, 5 for \$1.00.

### **All Steel, Open Back.**

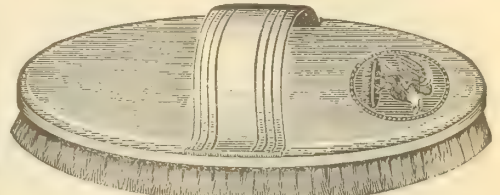
No. OS3.



All steel, open back, 8 bars, plain knocker, japanned, carmive handle, steel ferrule, oval face, shank running through handle and riveted. Packed one dozen in box. Cases made for 24 dozen.

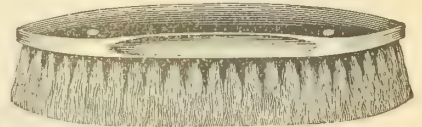
Each 15c. \$1.50 per dozen.

### **LEATHER BACK BRUSHES.**



No. 35—Patent Leather Back... Each	.40c.
No. 123—Yellow Leather Back... "	.50c.
No. 400—Yellow Leather Back... "	.60c.
No. 999—Russet Leather Back... "	.90c.
No. 80—All Bristle, Russet Leather, Flexible Back, Army, each	\$1.25
No. 445—All Bristle, Russet Leather, Flexible Back, Army, each	1.50
No. 100—London, warranted all white Bristle..... each	2.00

### **Dandy Brushes.**

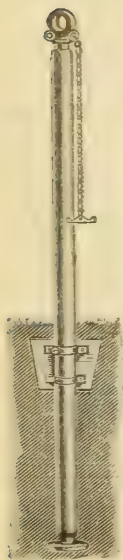


No. 10—Dandy..... Each	.20c.
No. 20—Dandy..... "	.25c.
No. XX—Palmetto Dandy..... "	.40c.
No. 940—Dandy..... "	.45c.
No. 7000—Dandy, made of selected fine root..... "	.60c.

All of above are packed six in a box.

No. 707—Grenelle Brushes, extra fine, each..... .60c.

### **Hartman's Improved Hitching Post.**



Cannot be broken or pulled out. Made of tubular steel, thoroughly painted. Anchored at the bottom and at the ground level. These posts furnished with Weldless Steel Chain and Spring Snap complete

Price complete, \$1.75.

No. 1

### **Web Halters.**

Continuous piece No. 1

Web through metal corners

Leather chin piece.

Rope Lead leather latch, with snap.

PRICE 25 cents.

### **Adjustable Web Halters.**

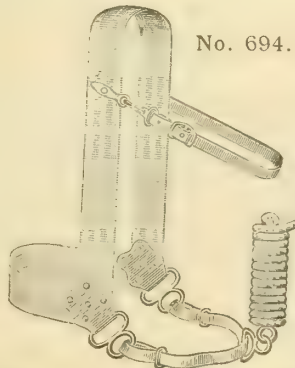
Continuous piece, solid color, No. 1 extra quality web, folded through metal corners, adjustable buckle. Leather chin piece with buckle. Rope lead, leather latch, snap.

PRICE..... 40 cents.

### **Fancy Striped Halters.**

No. 696.

Corners bound with leather, riveted to ring loops. Leather chin piece. Rope lead, leather latch, snap. Price 30 cents.



No. 694.



No. 238.

No. 238.

### **Cyclone Leather Halters.**

One and a quarter inch, with 1 1/4 inch leather lead. Price \$1.35.

No. 242—1 1/4 inch, with 1 1/4 inch leather lead.

Price..... \$1.25

### **Rope Cattle Ties.**

No. 652—1/2 in. Manilla rope, eight feet long, single snap, Price 30 cents. No. 655—1/2 inch XX Sisal rope, eight feet long, single snap, Price 20 cents.

### **No. 698. Jute Web Halters.**

Jute Web, metal corners. Chin piece, one continuous piece rope leather throat latch and buckle.

Price..... 35 cents each.

### **Rope Halters.**

No. 684 1-2 in. Jute Rope, 15c. each.

No. 688—One-half inch XX Sisal Rope

Price..... 20 cents.

No. 690—One-half inch Manilla Rope.

Price..... 40 cents.

All of our rope goods are of best quality, standard size and full length.

Order by number for any kind of Halter.



No. 698.

### **ROPE HORSE TIES.**

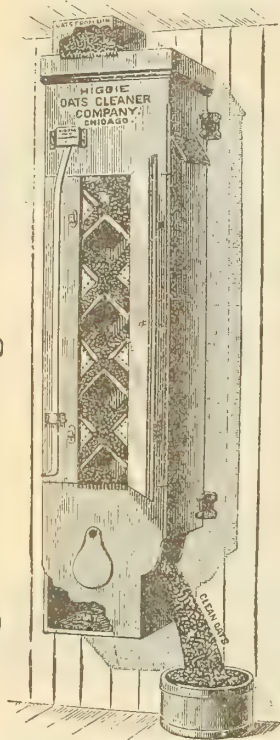
No. 652—Half Inch Manilla, ten feet long, (two snaps).

No. 667—Half Inch XX Sisal, ten feet long, (two snaps)..... Price 35 cents.

## STABLE REQUISITES.

Extending from top to bottom of the Cleaner are seven downwardly inclined screens, operating in pairs. Below each pair of screens is located a **Δ shaped table** through which all clump material fall alternating from the screens before dashing to the next set of screens. **The operating valve** is located in the top of the Cleaner and directly below this is a **large coarse grate** which permits the oats to pass through, but throws off everything large, such as stones, sticks, glass or any coarse trash that may be in the oats. Below this grate are the zig-zag screens and the tables extending through the entire cleaner to the discharge spout below. **The dirt box** is in the base of the Cleaner and may be emptied through a hand hole in the bottom. Price.....\$18.00

# Higbie Self-Acting Oats Cleaner:



WEAVER'S PATENTED RIVETLESS  
STOCK TROUGH

**T**HE only Steel Trough constructed without the use of rivets. Will not crack or burst on account of freezing. This Trough is made of No. 12 gauge steel, curved in semi-circular form, with ends of cast-iron fitted in each end of steel, and held in place by steel bands instead of rivets. These bands are shrunk around the end edges of steel, binding it firmly to the flange on the end, thereby making a perfectly water-tight joint.

No. 3, 18 in. wide at top, 9 in. deep, per foot.....	\$1.10
No. 4, 20 " " " 10 in. " " .....	1.25

Furnished in lengths from 4 to 20 feet. Shorter lengths cost same as 4-foot lengths.

## A long, narrow, rectangular metal tray or container, possibly a component of a mechanical device, shown from a top-down perspective. It has a dark, textured surface and two small, dark, rectangular components attached to its bottom edge.

Price.....40c. per foot.

No. 0—8 in. long,  $3\frac{1}{4}$  in. wide at top,  $1\frac{1}{4}$  in. deep.....20c.  
No. 1—20 in. long, 4 in. wide at top,  $1\frac{1}{2}$  in. deep.....35c.  
No. 2—24 in. long, 7 in. wide at top, 3 in. deep.....70c.

## The "Sanitary."

Special prices in quantities.

No. 188—16 inches long, 16 inches wide, 10 inches deep, weight 30 lbs., each.....\$1.25  
No. 187—15 inches long, 15 inches wide, 8 inches deep, weight 22 lbs., each..... 1.00

**Special prices in quantities.**

PATENTED AUG. 9th 1898.

THE STRONGEST

MADE OF STEEL, WOOD LINED.

MOST COMFORTABLE AND CLEANEST CATTLE FEEDER.

gives Frey and Natural Movement of the Head and Neck. Swings on chains top and bottom, and gives much more freedom to the cow's head than the old style, stiff Stanchion. Practically, the cows are as comfortable as when in the field; for they are able to lick their sides, and lie down with the head on the shoulder as nature intended.

**Not Cumbersome About Neck of Cattle.** The angle steel used in the Taylor Stanchion, which is one and one-quarter inches by one and one-quarter inches wide, is less than one-fourth as large as the wood used in other Stanchions.

Price, each.....	\$1.25.
------------------	---------

No. 2-7½	in. on neck,	by 20 in.	between bows,	list price.....	\$6.50
No. 3-8	" "	" " 21	" "	" .....	7.50
No. 4-8½	" "	" " 22	" "	" .....	8.00
No. 5-9	" "	" " 23	" "	" .....	9.00

No. 6-9½	in. on neck, by 24 in. between bows,	list price .....	\$ 9 50
No. 7-10	" " " 25 "	" " " " " " " " " " " "	10.00
Ox Bows, per pair,	regular,	list price .....	1.20
	heavy.	" " " " " " " " " " " "	1.40

FIG. 7 REGULAR

IRON

TRACES

## STABLE REQUISITES.



Fig. 2.

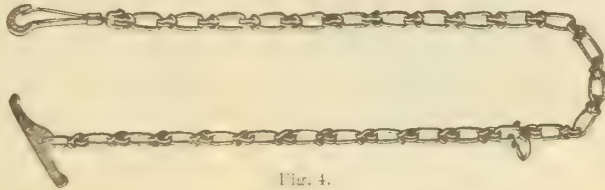


Fig. 4.

**Figs. 2 and 4.**—Triumph Chains; very light; possess great strength; all links have equal strength. Do not kink; no welds to give way; no sharp edges.

No. 3-0—Triumph Cow Tie (Ohio pattern).....	Each, \$	.30
No. 4-0—Triumph Cow Tie (Ohio pattern).....	Each, ..	.35
No. 3-0—4½ ft. Triumph Halter Chain.....	Each, ..	.30
No. 3-0—6 ft. Triumph Halter Chain.....	Each, ..	.35
No. 5-0—7 ft. Triumph Trace Chains.....	Per pair, ..	.70
No. 6-0—7 ft. Triumph Trace Chains.....	Per pair, ..	.80
No. 5-0—3½ ft. Triumph Butt Chains.....	Per pair, ..	.45
No. 6-0—3½ ft. Triumph Butt Chains.....	Per pair, ..	.50
No. 2—6 ft. Triumph Kennel Chain.....	Each, ..	.40
No. 1—2 ft. Triumph Tethering Chain.....	Each, ..	.90
No. 0—20 ft. Triumph Tethering Chain, heavy.....	Each, ..	1.00

### BROWN STEEL COW TIES AND HALTER CHAINS.

No. 3-0—Brown Steel Cow Ties (Ohio pattern).....	Each, 16c.
No. 4-0—Brown Steel Cow Ties (Ohio pattern).....	Each, 20c.
No. 3-0—Brown Steel Halter Chains, 4½ ft.....	Each, 17c.



Fig. 6.

FIG. 6.

No. 71—Spreader Chains (Pennsylvania pattern) black or self color, stiff, \$3 25.  
No. 73—Repair Links, polished, 15c. doz.  
No. 75—Open Side Links, polished, 10c. each.  
No. 58—Long Link Log or Ox Chain, 12x½, \$1 75.  
No. 58—Long Link Log or Ox Chain, 14x½, \$2 00.  
No. 58—Long Link Log or Ox Chain, 14x½, \$2 50.  
No. 58—Long Link Log or Ox Chain, 14x½, \$3 00.  
No. 46—Cart Tug Chains, per pair, 30c.

### Fig. 3—BREAST CHAINS.

Double Stuff, 5-16.....	Pair, \$1 25
Double Stuff, ¼.....	Pair, 1 20
Double Slack.....	Pair, .80
Single Slack.....	Pair, .60

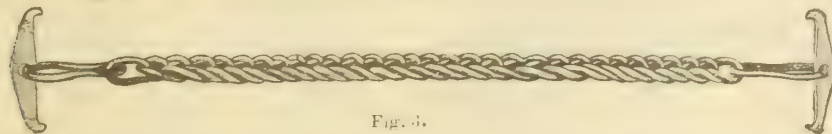


Fig. 7.

**Fig. 7—REGULAR IRON TRACES.**—See border.

7, 8, 2.....	Retail price, 40c.	7, 12, 2.....	Retail price, 60c.
7, 10, 2.....	Retail price, 50c.	7, 14, 2.....	Retail price, 70c.
7, 16, 2.....	Retail price, 80c.		

Fig. 1—No. 67—Fifth Chain—See border.—Round hook, ring and swivel, bright or black, made with stretchers also if desired. No. 67, 10x¾, with Reg. Hook, \$1 75; No. 68, 10x¾ with Patent Hook, \$2 40; No. 1, Pennsylvania Pattern, black, stiff, heavy, \$6 00.

## HAMES.

	Per Pair.
Loudon Patent Hames.....	\$1 00
Loudon Tie Hames.....	.75
Taylor Root Pat. Hames.....	.60
Taylor Root Tie Hames.....	.50
Sawed Pat. Hames.....	.30
Sawed Tie Hames.....	.30

Special prices to both wholesale and retail dealers.

### Hame Strings.

Black, ¾.....	12c. each.	\$1 25	per doz.
Black, ¾.....	15c. each.	1 50	per doz.
R. Hide, ¾.....	10c. each.	1 00	per doz.

### Buggy, Coach and Wagon Whips ...

Made of the best material. Bone, Rawhide and Wood Handles.

## SWEAT PADS.

### Brown and White Drill.

This brand presents more attractive features than any similar line of medium-priced sweat collars on the market.

### PRICES.

10 inch.....	25c.
11 inch.....	30c.
12 inch.....	35c.

**Special Prices by the Dozen.**

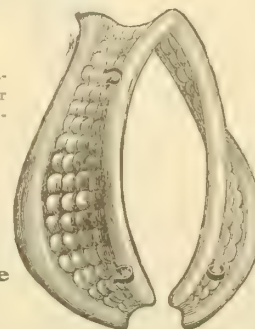


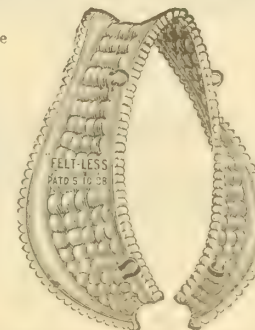
FIG. 1. NO. 67 FIFTH CHAIN

### Felt-Less.

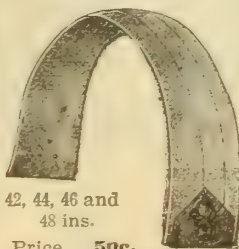
Pinked, Felt Edges, Composite Filling, Four Hooks.

Old Gold Drill,  
Best on the Market,  
50c.

Cheaper Old Gold  
40c.



### Folded Duck Back Bands.



42, 44, 46 and 48 ins.  
Price....50c.

### Padded Duck Back Bands.

PADDED ENTIRE LENGTH.  
Patent Hooks.

Can be used with either chain or rope traces. Our goods are full length; shorter lengths can be so d for less money.

42 and 44 inches.....40c.

### HORSE COLLARS.

No. 190—Draft Collars, split leather back and rim duck face, price, \$4 00.  
No. 1101—Team do., heavy, price \$1 25.  
No. 136—Kip Team, sheep faced, price, \$1 75.  
No. 155—Scotch Kip, back and rim tick faced, price, \$2 20.  
No. 760—Heavy Kip Team, sheep faced, price, \$2 00.



HENDEN & ROBERT, DRS.

**BROWN MFG. CO.**  
ZANESVILLE, O.

**C**OIL SPRINGS are applied to Tongue-eases draft on team's neck when chains are forced to control tongue or hold back. They supply the place of the vibrating of Neck Yoke—yield to pull of chain or branch chain, saving team from jerking of tongue. Branch chains are added to each tongue, practically destroying side jerking and whipping motion—acts same as Neck Yoke.

Extension Shoe Skein is one of the greatest improvements, as it protects the axle as well as the skein, allowing the axle to be made of less material. The shoe of the skein supports the axle where it has the greatest load to bear, and is superior to the steel skein, as it allows a greater quantity of the axle to enter the shoe of the skein.

The skein is also chilled on its face, and will wear longer than a steel skein. The steel skein has no temper in it, and is as soft as iron, as it is required to be welded in its manufacture.

**No. 000**—Complete with gear brake, top box and seat. Capacity, 1800 to 2000 lbs. Price..... **\$62.50**

**No. 00**—Is a 2½x8½ in. skin; 7½x8½ in. hub; 1½x½ in. tire; body 9 feet by 12 to 14 inches deep inside, with gear brake, top box and seat. Capacity, 2000 to 2500 lbs. Price..... **\$67.50**

**No. 1**—Is a 3x9 in. skin; 8x9 in. hub; 1½x½ in. tire; body 9 to 9½ feet long, 13 to 15 inches deep inside, with gear brake, top box and seat. Capacity, 3000 lbs. Price..... **\$70.00**

For Wagon Gears only, deduct \$10.00.

**No. 2**—Is a 3½x10 in. skin; 8½x10 in. hub; tire 1½x½ or ¾ in.; body 10 feet long by 15 to 16 inches deep inside, with gear brake, top box and seat. Capacity, 3500 lbs. Price..... **\$72.50**

**No. 3**—Is a 3½x11 in. skin; 9x11 in. hub; 1½x½ or ¾ in. tire; body 9½ or 10 feet long and 15 to 18 inches deep inside, with gear brake, top box and seat. Capacity, 4500 lbs. Price..... **\$75.00**

**One-Horse Wagon**—Is a 2½x8 in. skin; 7x8 in. hub; tire 1½x7-16 in. Capacity, 1200 lbs. Has gear brake, top box and seat. Price..... **\$50.00**

In addition to above line of wagons, the company are building for

us a special line of Steel Skein Linch Pin Gears, with 4-inch tires. Prices, etc., as follows:

No. 3-3½x11	skins; capacity 5000 lbs.	Price.....	\$80.00
" 4-3¾x12	" " 6000 to 7000 lbs.	Price.....	\$5.00
" 5-4x12	" " 7000 to 8000 lbs.	" .....	95.00

Depth of body given on all wagons above does not include top box, which is 6, 8, 10 or 12 inches deep. Tubular Axle Wagon furnished on application.

When $2\frac{1}{2} \times \frac{1}{4}$ in. tire is wanted, add to above.....	<b>\$4.00</b>
“ $2\frac{1}{2} \times \frac{3}{4}$ “ “ “ “ .....	<b>5.00</b>
“ $3 \times \frac{5}{8}$ “ “ “ “ .....	<b>6.00</b>

66	3x $\frac{3}{8}$	66	66	66	66	6.00
66	3x $\frac{3}{4}$	66	66	66	66	7.00
66	4x $\frac{5}{8}$	66	66	66	66	12.00
66	4x $\frac{3}{4}$	66	66	66	66	18.00

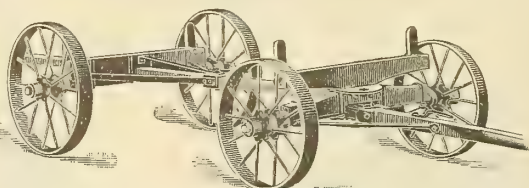
"	4x $\frac{3}{4}$	"	"	"	"	"	.....	<b>13.00</b>
Tire	$\frac{7}{8}$ in.	thick will cost extra	per wagon	.....				<b>1.50</b>
"	1 "	"	"	"	"	above the cost of $\frac{7}{8}$ in. tire	.....	<b>2.00</b>

Spring seat, each.....	\$2.50	Plain lower bed only.....	\$9.00
Top box complete, per set.	2.00	Gear brake complete, with	
Bed lock irons.....	.50	bed lock irons.....	4.00

Wheels 28x4 and 34x4,  
with removeable boxes  
and staggard spokes.

Price.....	\$35.00
Brake.....	3.50
Neck Yokes	.75
Doubletrees.	2.00

**Capacity, 5000 pounds.**



Bolsters are made of good white oak, with cast sockets bolted on side, so stakes are moveable.

We make reach of white oak, 4x2½ inches by 12 feet long, adjustable for the ordinary wagon box, or hay ladders 16 feet long.

Axles solid steel  $1\frac{1}{4}$  inches, fastened on the bottom of a grooved white oak piece 3x5 inches, with steel clips. On the end of oak piece we bolt cast collar or sand band; improved Lynch pin.

We make the Standard Gauge 5 feet from centre to centre of tires; 3 feet 6 inches between standards. Narrow Gauge 4 feet 6 inches from center to center of tires; 3 feet 2 inches between standards.

**State if Standard or Narrow Gauge Wanted.**

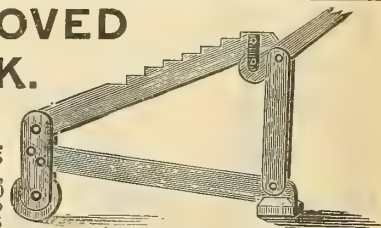
Doubletree, Neck Yoke and Brake are extra.

## MILLER'S IMPROVED WAGON JACK.

**It is Made in Three Sizes.**

No. 1—Adapted for buggies or light work.	
Capacity, 2,000 lbs.....	<b>\$1.25</b>
No. 2—For heavy wagons, transfer wagons, trucks, etc. Capacity from 3000 to 5000 lbs.....	<b>\$1.50</b>
No. 3.....	<b>2.25</b>

We also have a cheap Jack, very simple in construction, but one which is easily handled, and which is all right for light work. Price, 50 cents.



Shows Center Spring  
in Position for Light Load.

This diagram illustrates the internal mechanism of a spring scale. It features a horizontal beam with a central pivot point. On either side of the pivot, there are two sets of springs. The central spring is shown in a compressed state, indicating it is supporting a load. The outer springs are shown in a relaxed state, indicating they are not supporting a load. The entire assembly is mounted on a base with four feet.

### Shows Center Spring in Position for Light Load.

Shows Center Spring  
in Position for Heavy Load.

Wagon will last longer, will carry load in much better condition, particularly fruit or produce.

To carry 1000 lbs,	\$4.00	To carry 4000 lbs,	\$10.00
" 1500 "	6.00	" 5000 "	11.00
" 2000 "	7.00	" 6000 "	12.00
" 3000 "	8.00		

	Per set.
To carry 1000 lbs.....	\$5.00
“ 1500 “ .....	5.50
“ 2000 “ .....	6.00
“ 2500 “ .....	6.50
“ 3000 “ .....	7.00

	Per set
To carry 4000 lbs.....	\$8.00
“ 5000 “ .....	9.00
“ 6000 “ .....	10.00
“ 8000 “ .....	11.00
“ 10000 “ .....	12.00

142



The various brands described above are confidently placed on the market as being the result of years of experience in the manipulation of commercial Fertilizers.

144

# BETTER VALUES FOR YOUR MONEY.

**H**ANDLING the various lines, as we do, enables us to keep a large force employed during the entire year, which ensures us efficient employes to properly attend to our customers' wants when the busy seasons are upon us. By buying large quantities of goods from one house the purchaser can secure better values for the money than could be gotten from a number of houses, besides the extra time consumed. The expenses of our salesmen, when on the road, are no greater when handling a number of lines than when confined to one.

There are many farmers that work on the "TWILL DO" system. "TWILL DO" won't do; nothing is perfect except that which is just right. Take the case of a SILO for instance; some men think it is economy to build their own, without knowing its exact requirements. "Twill do," they say, and perhaps it will answer for one season. It is the same in other things. When they buy Farming Implements, "Twill do" is again their motto. They buy an inferior article because it takes less outlay, but expect it to do as well as a first-class article, which MUST COST MORE MONEY, and in the end they have to duplicate the cheap implement in a very short while, unless experience has taught them that "TWILL DO" won't do.

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